ACIDIC PRECIPITATION
IN ONTARIO STUDY

CUMULATIVE (28 DAY)
PRECIPITATION CHEMISTRY LISTING
1987

JULY 1990

195.54 .06 C861 1990

Environment Environnement

Jim Bradley. Minister/ministre

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ACIDIC PRECIPITATION IN ONTARIO STUDY

CUMULATIVE (28 DAY)

PRECIPITATION CHEMISTRY LISTINGS

1987

Report Prepared by:
Atmospheric Research and Planning Unit
Air Resources Branch
Ontario Ministry of the Environment:

ARB-006-89

JULY 1990



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PIBS 1066 log 89-2207-006

ACKNOWLEDGEMENTS

This report was prepared by Diane Green of the APIOS Atmospheric Deposition and Chemistry Program. However, the data themselves are a product of the combined efforts of many individuals. Precipitation samples were collected by a large number of site operators, whose names cannot be individually mentioned here, under the coordination of the environmental technicians Scott Kennedy (in the Southwestern Region), Steve Elliott (in Southeastern Region), Wim Smits Northwestern Region), Bill Trayling (Northeastern Region), and J.P. Varto (in Central Region). Sample handling was carried out by Sue Lampinen and Gail Fielding. Chemical analyses were performed at the Laboratory Services Branch under the coordination of Frank Tomassini. clerical and computer assistance were provided by Peter Maheras, Joseph Lamb and Roberto Banchon. All enquiries regarding the reported data should be directed to Neville Reid, Coordinator, Atmospheric Deposition and Chemistry Program, at (416) 326-1691.

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PART I

INTRODUCTION

INTRODUCTION

The data listed herein are a summary of the results acquired from the APIOS cumulative precipitation sampling network from January 1, 1987 to December 31, 1987. The sampler utilized for collection of wet cumulative deposition is the M.I.C. Type "A" collector (Sangamo). During May to October when precipitation is mainly in the form of rain, the Sangamo collector is equipped with a 34 cm x 61 cm polyethylene bag insert. For snow and snow/rain collection from November to April, deeper collection vessels are utilized (122 cm) with 34 cm x 122 cm polyethylene gas insert. The deeper collection vessel is utilized to reduce snow blow out. The period of accumulation per sample is 28 days.

All data presented in this report have been screened for validity. qualifications have been appended to records, and/or results where necessary. screening procedure involved checking each record for chemical analysis integrity (e.g., ionic balance, observed vs. theoretical conductance). Gross limits checks were applied to the results. Upper limits were determined as M + 2S where median (M) and scale (S) represent robust estimates of the mean and standard deviation respectively. Scale of the distribution was estimated from interquartile distance, i.e. S = 0.74 (3rd quartile - 1st quartile) based upon logarithmetic transformed results. In a situation where the distribution is significantly bounded by reported detection limits, S may be estimated as follows, S = 1.48 (3rd quartile - 2nd quartile). Lower gross limits were specified by the above method except for those parameters with minimum values near or at the detection limits (CI, Mg, K, Na, Ph, Mn, Ni, Pb, V, Al, Cu, Zn, Fe, Cd). For these parameters a lower gross limit of zero was utilized. The data were also screened for outliers statistically by applying the Dixon Ratio test to the highest and lowest values observed in each region on a monthly basis. Outliers were determined at the 95% level of confidence. Records and/or results deemed unreliable are flagged but not deleted. Detailed description of the validation procedures as applied to this data set is available from the Ministry upon request.

Station Identification

The station identification is defined by four descriptive fields (e.g., Dorset/Cumulative/Wet #20). The first field refers to the sampling location. The second and third fields describe the sampling internal and the sampling type (e.g., wet or dry) respectively. The last numeric field refers to the index code utilized on the location map. All precipitation chemistry listings are given in alphabetical order by station name within each region.

Cumulative Precipitation Chemistry Listings

Sample type, as coded in the data listings, represents the state of the collected sample at time of removal. The sample date represents the date on which the sample was removed from the sampler. All chemical analyses were done on unfiltered samples. Lab pH entries represent pH measurements obtained at the MOE Laboratory in Toronto.

Total hydrogen ion concentration is reported for either titration of the sample with NaOH to an end point pH of 8.3 or gran analysis titration. For a complete outline of lab analytical methodology please consult the Ontario Ministry of the Environment report "Outlines of Analytical Methods" coordinated by Water Quality Section, Laboratory Services Branch, June 1981.

Of the reported metals, aluminum, copper, iron and zinc were found to display significant adsorptive losses. As a result, a leach solution of 5% HNO3 (1 litre) is placed in the emptied collection bag for 24 hours. The leach solution is then analysed for the above metals and a final metal concentration is then calculated. Prior to 1987, in the calculation of final metal concentration, if a detection limit <T was encountered, a value corresponding to one half the detection limit was utilized. As of 1987, <T values are no longer halved in these calculations.

Co-located with each sampler is a cumulative precipitation gauge which serves as a primary standard of precipitation during the collection period. However, if the cumulative gauge depth is missing or is thought to be inaccurate, then an approximate precipitation depth is determined. The approximation is made by accumulating the surrounding CLIMAT* station daily depth gauge results individually and then interpolating using a modified kriging method (1) to the APIOS station. Sometimes precipitation gauge results cannot be calculated by the above method, in which case the data are missing in the tables to follow.

Calculation of Equivalent Precipitation Depth (mm)

Equivalent Precipitation Depth (mm) = Volume Collected (ml) x 30.8 1000

Calculation of Observed Sampling Efficiency

% Efficiency = Equivalent Precipitation Depth (mm) x 100 %

Gauge Depth (mm)

Field Comment Code Index

- A Insects in sample
- B Leaves in sample
- C Particulates in sample
- D Fibres in sample
- E Sample not submitted
- F Sampler malfunctioned
- G Sample spilled or leaked
- H Volume incorrect
- I Event(s) missed
- J Wet side open when not precipitating
- K No precipitation collected
- L Part of event missed
- M Dry side open when precipitating
- P Gauge depth incorrect
- 0 Other

Office Comment Code Index

- C calculated/observed conductance discrepancy
- H calculated/observed pH discrepancy
- J pH large
- M poor ionic balance
- N abnormal sampler efficiency
- T free hydrogen exceeds total hydrogen
- X sample lost

^{*} Environment Canada, Atmospheric Environment Service Meteorological Observations in Eastern Canada, Monthly Record.

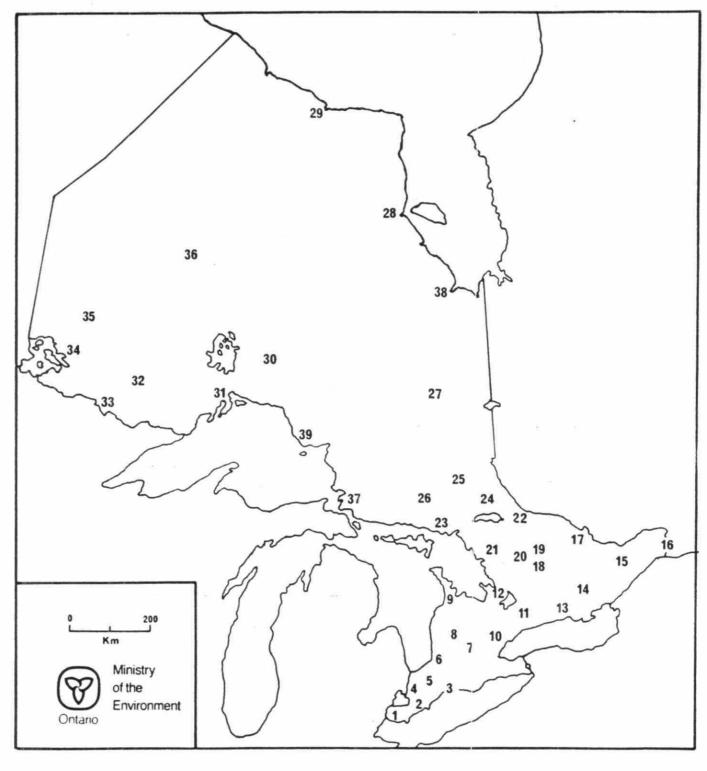
(1) Spatial Trend Analysis and Uncertainly Estimates of Acid Deposition Data in Ontario, A.J.S. Tang and W.H. Chan, reprint #85-6A.6, 78th Air Pollution Control Association Annual Meeting, Detroit, Michigan, June 16-18, 1985.

Analytical Result Remark Code Index

- > actual result greater than value reported
- < actual result less than value reported
- T actual result less than criterion of detection
- W no response, minimum possible result reported
- A approximate value
- U unreliable result
- L bag leach result not available
- <L bag leach result not available and precipitation sample result has been reported as a detection limit
- LG exceedance of lower gross limit checks
- UG exceedance of upper gross limit checks
 - D outlier of Dixon Ratio Test
- B exceedance of gross limit checks and outlier of Dixon Ratio Test

PART II

STATION DESCRIPTION AND LOCATION MAP





Site)

* indicates both a wet and dry demosition network site

ONTARIO MINISTRY OF THE ENVIRONMENT APIOS-ACIDIC PRECIPITATION IN ONTARIO STUDY CUMULATIVE PRECIPITATION SITES

STATION ID	MOE REGION	STATION NAME	ELEV	LATITUDE (NORTH)	LONGITUDE (WEST)		RID INATES (EASTING)
000001-01-01-1041	SOUTHWESTERN	COLCHESTER	183	41°59′15"	82055'41"	4649973	340284
000001-01-01-1051		MERLIN	191	42°14′47"	82°13′28"	4677645	398983
000001-01-01-1061		PORT STANLEY	213	42°40′22"	81°09′55"	4724277	486457
000001-01-01-1001	SOUTHWESTERN			5777LVFG	82°21'13"	0.0000000000000000000000000000000000000	
		WILKESPORT	183	42°42′11"		4728515	389135
000001-01-01-1081	SOUTHWESTERN	ALVINSTON	221	42°49′00"	81°50′05"	4740580	431759
000001-01-01-1091	SOUTHWESTERN	SHALLOW LAKE	229	44°34′54"	81°06′58"	4936270	490782
000001-01-01-1101	SOUTHWESTERN	PALMERSTON	389	43°48′19"	80°54'12"	4850035	507776
000001-01-01-1191	SOUTHWESTERN	HURON PARK	250	43°17′28"	81°30′03"	4793050	459370
000001-01-01-2021	SOUTHWESTERN	WATERLOO	343	43°28'39"	80°35'10"	4813710	533474
000001-01-01-3011	CENTRAL	DORSET	320	45°13′26"	78°55′50"	5009656	662429
000001-01-01-3061	CENTRAL	UXBRIDGE	244	44012'46"	79°12′38"	4896847	642958
000001-01-01-3071	CENTRAL	WILBERFORCE	396	45°00'54"	78012'56"	4988172	719406
000001-01-01-3081	CENTRAL	CAMPBELLFORD	175	44°17'28"	77047'33"	4907783	277202
000001-01-01-3101	CENTRAL	COLDWATER	280	44°37'31"	79°32′08"	4942152	616174
			3.5				
000001-01-01-4061	SOUTHEASTERN	SMITH'S FALLS	122	44056'41"	75°57' 48"	4977044	423999
000001-01-01-4071	SOUTHEASTERN	DALHOUSIE MILLS	69	45°19'00"	74°28′13"	5018048	541521
000001-01-01-4081	SOUTHEASTERN	GOLDEN LAKE	160	45°36′48"	77°12′03"	5053226	328397
000001-01-01-4091	SOUTHEASTERN	CLOYNE	259	44049'10"	77°11′07"	4964999	327221
000001-01-01-4161	SOUTHEASTERN	PT.PETRE	84	43°50′20"	77°09'10"	4856016	326930
			0.1	13 30 20	1103 10	4030010	320930
000001-01-01-5011	NORTHEASTERN	MCKELLAR	244	45031'15"	79°55′19"	5041158	584196
000001-01-01-5021	NORTHEASTERN	KILLARNEY	183	45°58' 20"	81°29′18"	5090859	462167
000001-01-01-5031	NORTHEASTERN	MATTAWA	198	46°16′39"	78°49'19"	5126968	667810
000001-01-01-5041	NORTHEASTERN	BEAR ISLAND	305	46°58′22"	80°04′30"	5202336	570362
000001-01-01-5061	NORTHEASTERN	GOWGANDA	343	47°39′04"	80°46′32"	5277329	516647
000001-01-01-5071	NORTHEASTERN	MOONBEAM	244	49°19′40"	82°01'10"		
000001-01-01-5091	NORTHEASTERN					5464175	425924
		WHITNEY	412	45°32′21"	78°15′35"	5046283	713946
000001-01-01-5141	NORTHEASTERN	TURKEY LAKES	440	47°03′15"	84°24'20"	5214246	697468
000001-01-01-5151	NORTHEASTERN	AZURE LAKE	427	47°28′13"	81°52′30"	5257579	434062
000001-01-01-5161	NORTHEASTERN	MOOSONEE	8	51°12′35"	80°42'20"	5672970	520568
000001-01-01-6011	NORTHWESTERN	DORION	244	40950433#	0.090.64.45.	F 4 2 0 0 0 0	
000001-01-01-6011			244	48°50′33"	88°36′45"	5410982	381684
- B	NORTHWESTERN	EAR FALLS	350	50°38′31"	93°13′13"	5609814	484424
000001-01-01-6041	NORTHWESTERN	PICKLE LAKE	360	51°02′41"	90°12′04"	5658308	696198
000001-01-01-6061	NORTHWESTERN	LAC LA CROIX	368	48°21′14"	92°12′32"	5355719	558611
000001-01-01-6071	NORTHWESTERN	QUETICO CENTRE	420	48°24′44"	91°12′08"	5363461	633036
000001-01-01-6091	NORTHWESTERN	E.L.A.	123	49°39′50"	93°43′16"	5501292	447960
000001-01-01-6111	NORTHWESTERN	OTTER ISLAND	204	48°06′50"	86°04'25"	5329155	568954
000001-01-01-6121	NORTHWESTERN	GERALDTON	350	49°48′18"	86°45′52"	5516758	516950
000001-01-01-7011	QUEBEC	SUTTON	243	45°04′35"	72°40′35"	4993846	682898

PART III

CENTRAL REGION CUMULATIVE AMBIENT AIR CONCENTRATION RESULTS

SAMPLE	SUBMISSIO		PROJECT		22		MPLE				SAMPLE							EFFICIENCY
NUMBER	NUMBER	SAMP LE TYPE	CODE	PROJEC	T	RE DA	MOVAL TE		DAT	E	END HR	START	TYPE	AT	AT REM.	TYPE	DEPTH (MM)	*
00024587	AP02121	PR	02	01	JAN	27,	1987	DEC	30,	1986	0930	1625	3			2	44.0	56.63
00024598	AP02173	PR	02	01	FEB	24,	1987	JAN	27,	1987	1715	0930	. 2			2	20.0	63.29
00024599	AP02203	PR	02	01	MAR	24,	1987	FEB	24,	1987	1445	1715	3			3	32.0	56.79
00024600	AP02203	PR	02	01	APR	21,	1987	MAR	26,	1987	1835	1830	3			9	100.8	72.81
00024616	AP02457	PR	02	01	MAY	19,	1987	APR	21,	1987	1800	1835	1			0	50.0	84.82
00024635	AP02255	PR	02	01	JUN	16,	1987	MAY	19,	1987	1706	1800	1			2	50.0	96.22
00069011	AP02374	PR	02	01	JUL	14,	1987	JUN	16,	1987	1620	1706	1			0	68.0	91.27
00069021	AP02374	PR	02	01	AUG	11,	1987	JUL	14,	1987	2030	1620	1			0	57.0	89.21
00069025	AP02374	PR	0.2	01	SEP	8,	1987	AUG	11,	1987	1845	2030	1			0	90.0	72.76
00094383	APO2457	PR	02	01	OCT	6,	1987	SEP	8,	1987	1845	1845	1			3	55.0	73.36
00094390	APO2457	PR	02	01	NOV	3,	1987	OCI	6,	1987	1700	1845	1	1		2	50.0	83.28
00094374	APO2457	PR	02	01			1987			1987	1825	1700	1		1	2	76.0	104.80
00094376	APO2457	PR	02	01	DEC	31,	1987	DEC	1,	1987	2050	1830	3	1		2	61.0	68.26
SAMPLE	FIELD	OFFICE	VOLUME		CONDUC	T	1	LAB.P	H		ACIDITY	TFE.	SULFA	TE	NIT	RATE	CALCI	UM
NUMBER	COMMENTS	COMMENTS																
			ML		UMHO/C	M							MG/L		MG/	L	MG/L	
00024587			809	9		30.		4	.21		***	*	1	.30		0.74		0.18
00024598			411			41.			.11		***			.30		1.18		0.56
00024599	F		590			23.			.22		***			.65		0.49	<t< td=""><td>0.08</td></t<>	0.08
00024600	P	Z	2383			20.			.34		* * 1			.20		0.35		0.12
00024616	С		1377			35.			.24		***		4	.20		0.86		0.64
00024635	C		1562			55.			.91		***			.15		1.00		0.58
00069011			2015			37.			.13		***			.45		0.56		0.18
00069021		С	1651			19.		4	.22		***		5	.55		0.62		0.60
00069025		HCM	2126	5		56.	00	4	.44		***	*	2	.65		0.43		0.18
00094383			1310			38.			.14		* * *		4	.65		0.58		0.44
00094390			1352			42.			.05		***	*	3	.15		0.94		0.30
00094374			2586			14.			.62		***		11.00	.50		0.32		0.24
00094376		2	1352	2		29.	50	4	.21		* * *	*	2	.30		0.61		0.22

ONTARIO MINISTRY OF THE ENVIRONMENT APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY DATA LISTING CUMULATIVE SAMPLING ANALYSIS RESULTS

				I	REGION=0	CE STATIO	ON=CAMPE	BELLFORD	MIC TY	PE A SITE	NO.1 -					
SAMPLE NUMBER	CHL	ORIDE	KJELD	AHL	MAGNE	ESIUM	POTAS	SIUM	SODI	UM	AMMON	IUM	PHOS	PHOR	MANG	ANESE
HOLLDEN	MG/	L	MG/L		MG/L		MG/L		MG/L		MG/L		MG/L		MG/I	ĒT.
00024587		0.22	0	.240	<t< td=""><td>0.010</td><td><w< td=""><td>0.005</td><td></td><td>0.085</td><td></td><td>0.135</td><td><t< td=""><td>0.007</td><td></td><td>0.002</td></t<></td></w<></td></t<>	0.010	<w< td=""><td>0.005</td><td></td><td>0.085</td><td></td><td>0.135</td><td><t< td=""><td>0.007</td><td></td><td>0.002</td></t<></td></w<>	0.005		0.085		0.135	<t< td=""><td>0.007</td><td></td><td>0.002</td></t<>	0.007		0.002
00024598		0.54	C	.920		0.050		0.055		0.315		0.810		0.017		0.004
00024599		0.20	0	.100	<t< td=""><td>0.005</td><td><w< td=""><td>0.005</td><td></td><td>0.060</td><td>LG</td><td>0.050</td><td><w< td=""><td>0.002</td><td><</td><td>0.001</td></w<></td></w<></td></t<>	0.005	<w< td=""><td>0.005</td><td></td><td>0.060</td><td>LG</td><td>0.050</td><td><w< td=""><td>0.002</td><td><</td><td>0.001</td></w<></td></w<>	0.005		0.060	LG	0.050	<w< td=""><td>0.002</td><td><</td><td>0.001</td></w<>	0.002	<	0.001
00024600		0.21	0	.300	<t< td=""><td>0.015</td><td><t< td=""><td>0.020</td><td></td><td>0.040</td><td></td><td>0.220</td><td><t< td=""><td>0.002</td><td></td><td>0.001</td></t<></td></t<></td></t<>	0.015	<t< td=""><td>0.020</td><td></td><td>0.040</td><td></td><td>0.220</td><td><t< td=""><td>0.002</td><td></td><td>0.001</td></t<></td></t<>	0.020		0.040		0.220	<t< td=""><td>0.002</td><td></td><td>0.001</td></t<>	0.002		0.001
00024616		0.18	0	.620		0.100		0.040		0.030		0.570	<t< td=""><td>0.005</td><td></td><td>0.009</td></t<>	0.005		0.009
00024635		0.20	0	.750		0.085		0.040		0.045		0.900	<w< td=""><td>0.002</td><td></td><td>0.008</td></w<>	0.002		0.008
00069011		0.17	0	.370	<t< td=""><td>0.025</td><td><w< td=""><td>0.005</td><td></td><td>0.030</td><td></td><td>0.360</td><td><t< td=""><td>0.003</td><td></td><td>0.002</td></t<></td></w<></td></t<>	0.025	<w< td=""><td>0.005</td><td></td><td>0.030</td><td></td><td>0.360</td><td><t< td=""><td>0.003</td><td></td><td>0.002</td></t<></td></w<>	0.005		0.030		0.360	<t< td=""><td>0.003</td><td></td><td>0.002</td></t<>	0.003		0.002
00069021		0.17	C	.630		0.085		0.040	<t< td=""><td>0.020</td><td></td><td>0.565</td><td><w< td=""><td>0.002</td><td></td><td>0.004</td></w<></td></t<>	0.020		0.565	<w< td=""><td>0.002</td><td></td><td>0.004</td></w<>	0.002		0.004
00069025		0.16	0	.370		0.025	<t< td=""><td>0.005</td><td></td><td>0.045</td><td></td><td>0.270</td><td><t< td=""><td>0.006</td><td></td><td>0.001</td></t<></td></t<>	0.005		0.045		0.270	<t< td=""><td>0.006</td><td></td><td>0.001</td></t<>	0.006		0.001
00094383		0.12	0	.490		0.050		0.025		0.050		0.460	<t< td=""><td>0.002</td><td></td><td>0.003</td></t<>	0.002		0.003
00094390		0.17	0	.400		0.035	<t< td=""><td>0.015</td><td></td><td>0.030</td><td></td><td>0.370</td><td><t< td=""><td>0.003</td><td></td><td>0.002</td></t<></td></t<>	0.015		0.030		0.370	<t< td=""><td>0.003</td><td></td><td>0.002</td></t<>	0.003		0.002
00094374		0.13	0	.200		0.030	<t< td=""><td>0.010</td><td></td><td>0.050</td><td></td><td>0.180</td><td><w< td=""><td>0.002</td><td>D</td><td>0.008</td></w<></td></t<>	0.010		0.050		0.180	<w< td=""><td>0.002</td><td>D</td><td>0.008</td></w<>	0.002	D	0.008
00094376		0.25	0	.260	<t< td=""><td>0.020</td><td><t< td=""><td>0.005</td><td></td><td>0.115</td><td></td><td>0.210</td><td><t< td=""><td>0.004</td><td></td><td>0.013</td></t<></td></t<></td></t<>	0.020	<t< td=""><td>0.005</td><td></td><td>0.115</td><td></td><td>0.210</td><td><t< td=""><td>0.004</td><td></td><td>0.013</td></t<></td></t<>	0.005		0.115		0.210	<t< td=""><td>0.004</td><td></td><td>0.013</td></t<>	0.004		0.013
SAMPLE NUMBER	NIC	KEL	ZINC		IRON		LEAD		VANA	DIUM	ALUMI	NUM	COPPI	ER	ACID	ITY GRAN
	MG/	L	MG/L		MG/L		MG/L		MG/L		MG/L		MG/L		UG/1	10
00024587		0.0002	1DT	0.009		0.014	1DT	0.004		0.0004		0.028	1DT	0.0010		88.90
00024598	D	0.0007	1DT	0.023		0.036	1DT	0.007	D	0.0007	1DT	0.047	1DT	0.0019	1	04.00
00024599	<	0.0002	<	0.003		0.021	<	0.003		0.0004		0.019	1DT	0.0006		82.30
00024600	<	0.0002	<	0.001		0.009	<	0.001	<	0.0004		0.014		0.0007		67.50
00024616		0.0005	1DT	0.006		0.045	1DT	0.006	<	0.0004		0.040	1DT	0.0007		93.00
00024635	<	0.0002	1DT	0.006		0.041		0.011	<	0.0004		0.056		0.0018	1	30.00
00069011		0.0002	1DT	0.004		0.016	D	0.016	<	0.0004		0.015	1DT	0.0003	1	12.00
00069021		0.0006	1DT	0.001		0.027		0.021	<	0.0004		0.033	1DT	0.0006	1	00.00
00069025		0.0007		0.001		0.014		0.013	<	0.0004		0.012	1DT	0.0002		65.70
00094383		0.0003	1DT	0.004	1DT	0.026	1DT	0.004	<	0.0004		0.018	1DT	0.0006	1	01.00
00094390		0.0002	1DT	0.007		0.032		0.005	<	0.0004	1DT	0.019	1DT	0.0009	1	20.00
00094374	<	0.0002	1DT	0.004		0.009	1DT	0.002	<	0.0004	1DT	0.005	1DT	0.0002		49.30
00094376		0.0003	1DT	0.009		0.014		0.005	<	0.0004	1DT	0.014	1DT	0.0008		90.60

DATA LISTING
CUMULATIVE SAMPLING ANALYSIS RESULTS

SAMPLE	SUBMISSIO	N LIS	PROJECT	SUB		SA	MPLE		EXP	OSURE	SAMPLE	SAMPLE	PREC.	PREC.				EFFICIENCY
NUMBER	NUMBER	SAMPLE	CODE	PROJEC	T		MOVAL		DAT	E	END	START	TYPE	AT	AT	TYPE	DEPTH (MM)	8
		TYPE		CODE		DA	TE				HR	HR		EXP	REM.			
00029638	AP02135	PR	02	01	JAN	27,	1987	DEC	30,	1986	0730	0800	2			2	21.0	164.12
00029647	AP02173	PR	02	01	FEB	24,	1987	JAN	27,	1987	0730	0730	. 3			2	79.0	28.85
00029654	AP02173	PR	02	01	MAR	24,	1987	FEB	24,	1987	0730	0730	3			2	34.0	88.32
00029663	AP02203	PR	02	01	APR	21,	1987	MAR	24,	1987	0745	0730	3			2	87.0	57.17
00029672	AP02226	PR	02	01	MAY	19,	1987	APR	21,	1987	0730	0745	1			3	36.0	85.38
00029679	AP02238	PR	02	01	JUN	16,	1987	MAY	19,	1987	0700	0730	1			3	51.0	93.73
00029689	AP02279	PR	02	01	JUL	14,	1987	JUN	16,	1987	0730	0700	1			3	111.0	94.06
00029697	AP02279	PR	02	01	AUG	14,	1987	JUL	14,	1987	0745	0730	1			3	39.0	9.71
00076005	AP02319	PR	02	01	SEE	8,	1987	AUG	14,	1987	0745	0745	1			3	32.8	83,20
00076006	AP02344	PR	02	01	OC'I	6,	1987	SE	8,	1987	0730	0745	1			3	66.0	101.31
00076030	AP02383	PR	02	01	NOV	3,	1987	OC:	6,	1987	0745	0730	3		1	3	75.0	87.92
00076037	AP02572	PR	02	01	DEC	1,	1987	NO	13,	1987	0800	0745	3	1		2	128.0	75.39
00076043	AP02439	PR	02	01	DEC	30,	1987	DEC	: 1,	1987	1520	0800	3			2	68.0	85.24
SAMPLE	FIELD	OFFICE	VOLUME		CONDUC	T	8	LAB.	H		ACIDITY	TFE.	SULFA	TE	NIT	RATE	CALCI	UM
NUMBER	COMMENTS	COMMENTS																
			ML	1	JMHO/C	M							MG/L		MG/	L	MG/L	
00029638	G	HCM	1119) 1) 1	7.9	0		4.	26	***	*	1.	05		0.49		0.14
00029647		N	740)	3	4.0	0		4 . :	21	***	* *	2.	35		1.09		0.32
00029654			975	5	1	7.5	0		4	36	***	*	1.	30		0.31	<t< td=""><td>0.04</td></t<>	0.04
00029663			1615	,	2	5.0	0		4	27	***	*	2.	40		0.54		0.12
00029672	AQ		998	3	3	2.2	B 1	UG	6.	90	***	*	6.	75		0.67		0.78
00029679			1552	2	4	7.0	0		4.1	06	***	*	5.	55		0.81		0.50
00029689			3390)	1	6.9	0		4.1	80	***	*	2.	55	j	0.40		0.28
00029697	G	2	123	3	1	7.1	0		4.	61	* * *	*	1.	95		0.35		0.30
00076005		2	886	5	3	7.0	0		4.3	20	* * *	*	3.	60	į.	0.55		0.32
00076006		HM	2171		4	0.0	0	В	6.	98	* * *	*	4.	55	j	0.52		1.22
00076030			2141			*	***		1	***	* * *	*	10150	***		****		****
00076037			3133	1	1	4.0	0		4.4	65	***	*	1.	20	3	0.30	<t< td=""><td>0.04</td></t<>	0.04

4.41

1.40 0.45

0.12

19.50

00076043

1882

										E A SITE NO						
SAMPLE	CHL	ORIDE	KJEI	DAHL	MAGN	ESIUM	POTA	SSIUM	SOD	LUM	AMMO	MUIN	PHOS	SPHOR	MANG	ANESE
NUMBER	MG/	L	MG/I		MG/L	ii.	MG/L		MG/I	L	MG/I		MG/I	4	MG/I	,
00029638		0.25		0.240	<t< td=""><td>0.020</td><td><t< td=""><td>0.010</td><td></td><td>0.080</td><td></td><td>0,210</td><td><t< td=""><td>0.006</td><td><</td><td>0.001</td></t<></td></t<></td></t<>	0.020	<t< td=""><td>0.010</td><td></td><td>0.080</td><td></td><td>0,210</td><td><t< td=""><td>0.006</td><td><</td><td>0.001</td></t<></td></t<>	0.010		0.080		0,210	<t< td=""><td>0.006</td><td><</td><td>0.001</td></t<>	0.006	<	0.001
00029647		0.35		0.780	-	0.040	<t< td=""><td>0.015</td><td></td><td>0.115</td><td></td><td>0.720</td><td><t< td=""><td>0.007</td><td></td><td>0.003</td></t<></td></t<>	0.015		0.115		0.720	<t< td=""><td>0.007</td><td></td><td>0.003</td></t<>	0.007		0.003
00029654	<t< td=""><td>0.05</td><td></td><td>0.120</td><td><t< td=""><td>0.005</td><td><t< td=""><td>0.005</td><td></td><td>0.040</td><td>LG</td><td>0.030</td><td><t< td=""><td>0.005</td><td><</td><td>0.001</td></t<></td></t<></td></t<></td></t<>	0.05		0.120	<t< td=""><td>0.005</td><td><t< td=""><td>0.005</td><td></td><td>0.040</td><td>LG</td><td>0.030</td><td><t< td=""><td>0.005</td><td><</td><td>0.001</td></t<></td></t<></td></t<>	0.005	<t< td=""><td>0.005</td><td></td><td>0.040</td><td>LG</td><td>0.030</td><td><t< td=""><td>0.005</td><td><</td><td>0.001</td></t<></td></t<>	0.005		0.040	LG	0.030	<t< td=""><td>0.005</td><td><</td><td>0.001</td></t<>	0.005	<	0.001
00029663		0.22		0.240	<t< td=""><td>0.020</td><td><t< td=""><td>0.025</td><td></td><td>0.045</td><td></td><td>0.300</td><td></td><td>0.010</td><td></td><td>0.002</td></t<></td></t<>	0.020	<t< td=""><td>0.025</td><td></td><td>0.045</td><td></td><td>0.300</td><td></td><td>0.010</td><td></td><td>0.002</td></t<>	0.025		0.045		0.300		0.010		0.002
00029672		0.25	U	3.150		0.180	UG	0.505	UG	0.130	U	2.550	U	0.285		0.008
00029679		0.18		0.810		0.080	5000	0.055	-	0.030		0.900	<t< td=""><td>0.003</td><td></td><td>0.005</td></t<>	0.003		0.005
00029689		0.10	D	1.010		0.055	D	0.120	<t< td=""><td>0.015</td><td></td><td>0.540</td><td>D</td><td>0.058</td><td></td><td>0.004</td></t<>	0.015		0.540	D	0.058		0.004
00029697		0.10	IIS	****		0.060		0.035		0.030		0.210	!IS	****		0.004
00076005	<w< td=""><td>0.01</td><td></td><td>0.350</td><td></td><td>0.055</td><td></td><td>0.050</td><td></td><td>0.035</td><td></td><td>0.300</td><td>0.77(0)</td><td>0.010</td><td></td><td>0.003</td></w<>	0.01		0.350		0.055		0.050		0.035		0.300	0.77(0)	0.010		0.003
00076006	-10	0.18	В	3.950		0.140	В	1.990		0.075	В	2.850	D	0.485	<	0.001
00076030		****		****		****	-	****		***	-	****		***	!NR	***
00076037	<t< td=""><td>0.04</td><td></td><td>0.230</td><td><t< td=""><td>0.005</td><td><w< td=""><td>0.005</td><td>D</td><td>0.130</td><td></td><td>0.200</td><td><w< td=""><td>0.002</td><td><t< td=""><td>0.001</td></t<></td></w<></td></w<></td></t<></td></t<>	0.04		0.230	<t< td=""><td>0.005</td><td><w< td=""><td>0.005</td><td>D</td><td>0.130</td><td></td><td>0.200</td><td><w< td=""><td>0.002</td><td><t< td=""><td>0.001</td></t<></td></w<></td></w<></td></t<>	0.005	<w< td=""><td>0.005</td><td>D</td><td>0.130</td><td></td><td>0.200</td><td><w< td=""><td>0.002</td><td><t< td=""><td>0.001</td></t<></td></w<></td></w<>	0.005	D	0.130		0.200	<w< td=""><td>0.002</td><td><t< td=""><td>0.001</td></t<></td></w<>	0.002	<t< td=""><td>0.001</td></t<>	0.001
00076043		0.11		0.160	<t< td=""><td>0.010</td><td><t< td=""><td>0.005</td><td></td><td>0.045</td><td></td><td>0.125</td><td><t< td=""><td>0.002</td><td></td><td>0.001</td></t<></td></t<></td></t<>	0.010	<t< td=""><td>0.005</td><td></td><td>0.045</td><td></td><td>0.125</td><td><t< td=""><td>0.002</td><td></td><td>0.001</td></t<></td></t<>	0.005		0.045		0.125	<t< td=""><td>0.002</td><td></td><td>0.001</td></t<>	0.002		0.001
SAMPLE NUMBER	NIC	KEL	ZINC		IRON		LEAD		VANA	ADIUM	ALUM	IINUM	COPE	PER	ACIE	ITY GRAN
HOLLDEN	MG/	L	MG/I	ĸ	MG/L	e e	MG/L		MG/I	G .	MG/I		MG/I	ū.	UG/I	
00029638	<	0.0002	D	0.007		0.017	1DT	0.002		0.0004		0.017		0.0008		70.70
00029647		0.0003	1DT	0.009		0.021	1DT	0.005		0.0004		0.031	1DT	0.0013		86.90
00029654		0.0002	1DT	0.002	1DT	0.003	<	0.002		0.0004	1DT	0.008	1DT	0.0019		62.10
00029663	<	0.0002	1DT	0.002		0.014	1DT	0.001	<	0.0004	55.5	0.019		0.0028		80.80
00029672	<	0.0002	1DT	0.007	UG	0.090	100000)	0.003	<	0.0004		0.098	1DT	0.0006		26.90
00029679	<	0.0004		0.003		0.040	1DT	0.002	<	0.0004		0.051		0.0014		108.00
00029689		0.0002	1DT	0.007		0.029	1DT	0.003	<	0.0004		0.022		0.0004		36.80
00029697		0.0002	1DT	0.011	UG	0.100	1DT	0.006	<	0.0004	В	0.335	1DT	0.0016		44.20
00076005	<	0.0002	1DT	0.002		0.022		0.011	<	0.0004		0.102	<	0.0004		90.60
00076006		0.0002		0.008		0.055	1DT	0.001		0.0008		0.072		0.0012	D	50.60
00076030	INR	****	INR	****	INR	****	INR	****	INR	****	INR	****	1NR	****		****
00076037	<w< td=""><td>0.0010</td><td><t< td=""><td>0.004</td><td>1DT</td><td>0.003</td><td><w< td=""><td>0.001</td><td><t< td=""><td>0.0004</td><td><t< td=""><td>0.007</td><td></td><td>0.0003</td><td></td><td>39.80</td></t<></td></t<></td></w<></td></t<></td></w<>	0.0010	<t< td=""><td>0.004</td><td>1DT</td><td>0.003</td><td><w< td=""><td>0.001</td><td><t< td=""><td>0.0004</td><td><t< td=""><td>0.007</td><td></td><td>0.0003</td><td></td><td>39.80</td></t<></td></t<></td></w<></td></t<>	0.004	1DT	0.003	<w< td=""><td>0.001</td><td><t< td=""><td>0.0004</td><td><t< td=""><td>0.007</td><td></td><td>0.0003</td><td></td><td>39.80</td></t<></td></t<></td></w<>	0.001	<t< td=""><td>0.0004</td><td><t< td=""><td>0.007</td><td></td><td>0.0003</td><td></td><td>39.80</td></t<></td></t<>	0.0004	<t< td=""><td>0.007</td><td></td><td>0.0003</td><td></td><td>39.80</td></t<>	0.007		0.0003		39.80
00076043	-	0.0002	<	0.002		0.010		0.008	<	0.0004	1DT	0.013		0.0020		71.80

CUMULATIVE SAMPLING ANALYSIS RESULTS

SAMPLE	SUBMISSIO		PROJECT				MPLE				SAMPLE					GAUGE		EFFICIENCY
NUMBER	NUMBER	SAMP LE TYPE	CODE	CODE	T	DA	MOVAL TE		DAT	E	END HR	START HR	TYPE	AT EXP	AT REM.	TYPE	DEPTH (MM)	*
00029634	AP02121	PR	02	01	JAN	27,	1987	DEC	30,	1986	0820	1340	2		1	2	24.0	77.77
00029644	AP02135	PR	02	01	FEB	24,	1987	JAN	27,	1987	1230	0820	2			2	43.0	59.67
00029651	AP02173	PR	02	01	MAR	24,	1987	FEB	24,	1987	1000	1230	3			2	22.0	75.04
00029657	AP02203	PR	02	01	APR	21,	1987	MAR	24,	1987	0950	1000	3			2	88.0	74.86
0029666	AP02226	PR	02	01	MAY	19,	1987	APR	21,	1987	0930	0950	1			3	48.0	92.72
00029676	AP02238	PR	02	01	JUN	16,	1987	MAY	19,	1987	0915	1045	1			3	62.0	105.37
0029684	AP02267	PR	02	01	JUL	14,	1987	JUN	16,	1987	1115	0915	1		1	3	48.0	96.19
0029691	AP02279	PR	02	01	AUG	11,	1987	JUL	14,	1987	0930	1115	1	1		3	17.0	108.71
0076002	AP02309	PR	02	01	SEP	8,	1987	AUG	11,	1987	1030	0930	1			0	59.0	94.23
0076009	AP02344	PR	02	01	OCT	6,	1987	SEP	8,	1987	0930	1030	1			3	66.0	105.19
0076016	AP02383	PR	02	01	NOV	3,	1987	OCT	6,	1987	0836	0930	3		1	3	90.0	92.74
0076034	AP02407	PR	02	01	DEC	1,	1987	NOV	3,	1987	0910	0836	3			2	77.0	81.60
0076040	AP02439	PR	0.2	01	DEC	29,	1987	DEC	1,	1987	1000	0910	3			2	98.0	69.58
SAMPLE NUMBER	FIELD COMMENTS	OFFICE COMMENTS	VOLUME		CONDUC	T	1	LAB.P	H		ACIDITY	TFE.	SULFA	FE	NIT	RATE	CALCI	JM
			ML		UMHO/C	M							MG/L		MG/	L	MG/L	
0029634			606		30	.30		4	.24		***	*	1	.55		0.77		0.16
0029644			833		29	.30		4	.23		***	* #	1	.40		0.88		0.20
0029651			536	7.	15	.50		4	.41		***	*	1	.05		0.28	<t< td=""><td>0.02</td></t<>	0.02
0029657			2139	i:	21	.00		4	.33		***	* *	1	.90		0.41		0.14
0029666			1445		35	. 67		4	.36		* * *	* *	5	.50		0.88	UG	0.96
0029676			2121		51	.48		3	.95		***	* *	5	.40		0.79		0.44
0029684			1499		22	.40		4	.38		***	*	2	.25		0.35		0.18
0029691			600		37	.00		4	.12		***	*	3	.50		0.60		0.26
0076002			1805		40	.50		4	.05		* * *	r ak	4	.10		0.66	D	0.52
0076009			2254		35	.00		4	.23		***	w.	3	.60		0.45		0.26
0076016			2710		32	.00		4	.21		* * *	*	3.	.50		0.82		0.46
0076034			2040			.00			.41		***	r Mr.	1	.75		0.54		0.20
0076040	G		2214		15	.50		4	.50		* * *	*	1	.05		0.39	<t< td=""><td>0.04</td></t<>	0.04

SAMPLE NUMBER	CHLO	DRIDE	KJELI	AHL	MAGNI	ESIUM	POTAS	SIUM	SODI	UM	AMMON	MUII	PHOS	PHOR	MANG	ANESE
NOMBER	MG/I	í	MG/L		MG/L		MG/L		MG/L		MG/L		MG/L		MG/L	
00029634		0.18	0	.320	<t< td=""><td>0.020</td><td><t< td=""><td>0.015</td><td></td><td>0.065</td><td></td><td>0.295</td><td><t< td=""><td>0.003</td><td></td><td>0.002</td></t<></td></t<></td></t<>	0.020	<t< td=""><td>0.015</td><td></td><td>0.065</td><td></td><td>0.295</td><td><t< td=""><td>0.003</td><td></td><td>0.002</td></t<></td></t<>	0.015		0.065		0.295	<t< td=""><td>0.003</td><td></td><td>0.002</td></t<>	0.003		0.002
00029644		0.25	0	.480	<t< td=""><td>0.020</td><td><t< td=""><td>0.005</td><td></td><td>0.100</td><td></td><td>0.385</td><td></td><td>0.018</td><td></td><td>0.002</td></t<></td></t<>	0.020	<t< td=""><td>0.005</td><td></td><td>0.100</td><td></td><td>0.385</td><td></td><td>0.018</td><td></td><td>0.002</td></t<>	0.005		0.100		0.385		0.018		0.002
00029651		0.21	0	.130	< T	0.005	<t< td=""><td>0.015</td><td></td><td>0.140</td><td><w< td=""><td>0.005</td><td></td><td>0.028</td><td><</td><td>0.001</td></w<></td></t<>	0.015		0.140	<w< td=""><td>0.005</td><td></td><td>0.028</td><td><</td><td>0.001</td></w<>	0.005		0.028	<	0.001
00029657		0.07	0	.340	<t< td=""><td>0.020</td><td><t< td=""><td>0.020</td><td><t< td=""><td>0.020</td><td></td><td>0.220</td><td></td><td>0.011</td><td></td><td>0.001</td></t<></td></t<></td></t<>	0.020	<t< td=""><td>0.020</td><td><t< td=""><td>0.020</td><td></td><td>0.220</td><td></td><td>0.011</td><td></td><td>0.001</td></t<></td></t<>	0.020	<t< td=""><td>0.020</td><td></td><td>0.220</td><td></td><td>0.011</td><td></td><td>0.001</td></t<>	0.020		0.220		0.011		0.001
00029666		0.11	0	.970	UG	0.175		0.070		0.070		1.040		0.012	UG	0.013
00029676		0.17	0	.680		0.060		0.035		0.030		0.735	<t></t>	0.002		0.003
00029684	< T	0.05	0	.270		0.030	<t< td=""><td>0.015</td><td>< T</td><td>0.010</td><td></td><td>0.265</td><td>< W</td><td>0.002</td><td></td><td>0.002</td></t<>	0.015	< T	0.010		0.265	< W	0.002		0.002
00029691		0.15	0	.360		0.045		0.035		0.030		0.290	<t< td=""><td>0.004</td><td></td><td>0.003</td></t<>	0.004		0.003
00076002		0.16	0	.280		0.070	<t< td=""><td>0.020</td><td><t< td=""><td>0.025</td><td></td><td>0.290</td><td><t< td=""><td>0.003</td><td></td><td>0.002</td></t<></td></t<></td></t<>	0.020	<t< td=""><td>0.025</td><td></td><td>0.290</td><td><t< td=""><td>0.003</td><td></td><td>0.002</td></t<></td></t<>	0.025		0.290	<t< td=""><td>0.003</td><td></td><td>0.002</td></t<>	0.003		0.002
00076009		0.07	0	.390		0.040		0.030	<t< td=""><td>0.010</td><td></td><td>0.405</td><td><t< td=""><td>0.002</td><td></td><td>0.002</td></t<></td></t<>	0.010		0.405	<t< td=""><td>0.002</td><td></td><td>0.002</td></t<>	0.002		0.002
00076016		0.25	0	.520		0.050		0.035	UG	0.150		0.445	<t< td=""><td>0.005</td><td></td><td>0.004</td></t<>	0.005		0.004
00076034		0.10	0	.370	<t< td=""><td>0.025</td><td><t< td=""><td>0.010</td><td></td><td>0.065</td><td></td><td>0.310</td><td><w< td=""><td>0.002</td><td></td><td>0.001</td></w<></td></t<></td></t<>	0.025	<t< td=""><td>0.010</td><td></td><td>0.065</td><td></td><td>0.310</td><td><w< td=""><td>0.002</td><td></td><td>0.001</td></w<></td></t<>	0.010		0.065		0.310	<w< td=""><td>0.002</td><td></td><td>0.001</td></w<>	0.002		0.001
00076040		0.10	0	.170	<t< td=""><td>0.005</td><td><w< td=""><td>0.005</td><td><t< td=""><td>0.025</td><td></td><td>0.145</td><td><t< td=""><td>0.003</td><td><</td><td>0.001</td></t<></td></t<></td></w<></td></t<>	0.005	<w< td=""><td>0.005</td><td><t< td=""><td>0.025</td><td></td><td>0.145</td><td><t< td=""><td>0.003</td><td><</td><td>0.001</td></t<></td></t<></td></w<>	0.005	<t< td=""><td>0.025</td><td></td><td>0.145</td><td><t< td=""><td>0.003</td><td><</td><td>0.001</td></t<></td></t<>	0.025		0.145	<t< td=""><td>0.003</td><td><</td><td>0.001</td></t<>	0.003	<	0.001
SAMPLE NUMBER	NICK	EL	ZINC		IRON		LEAD		VANA	DIUM	ALUMI	NUM	COPPI	ER	ACID	TY GRAN
NORDER	MG/I	E	MG/L		MG/L		MG/L		MG/L		MG/L		MG/L		UG/L	
00029634		0.0002	1DT	0.009		0.024	1DT	0.003	<	0.0004		0.044		0.0021		32.90
00029644	<	0.0002		0.009		0.018	1DT	0.004	<	0.0004		0.031	1DT	0.0011		79.00
00029651		0.0005	1DT	0.002		0.008	1DT	0.002	<	0.0004	1DT	0.011	<	0.0006	3	9.60
00029657	<	0.0002	<	0.001		0.012	1DT	0.001	<	0.0004		0.026	1DT	0.0008		72.20
00029666	<	0.0002	1DT	0.004	UG	0.098		0.004	<	0.0004		0.093	1DT	0.0006		59.80
00029676	<	0.0004	1DT	0.002		0.014		0.002	<	0.0004		0.033		0.0011	13	34.00
00029684		0.0002	<	0.002		0.014	1DT	0.002	<	0.0004		0.022	1DT	0.0004		52.80
00029691	<	0.0002	1DT	0.003		0.019	1DT	0.003	<	0.0004	1DT	0.046		0.0022	10	00.00
00076002		0.0006	1DT	0.004		0.033	1DT	0.009	<	0.0004	1DT	0.015	<	0.0003	13	18.00
00076009		0.0002		0.004		0.020	1DT	0.006	<	0.0004		0.021		0.0010	1	39.40
00076016		0.0003	1DT	0.003		0.028		0.005	<	0.0004		0.021	<	0.0003	1	37.50
00076034	<	0.0002	1DT	0.002		0.012		0.015	<	0.0004		0.009	1DT	0.0003		66.30
00076040		0.0003	<	0.001		0.006		0.003	<	0.0004	<	0.007	1 000	0.0002		6.90

ONTARIO MINISTRY OF THE ENVIRONMENT APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY DATA LISTING CUMULATIVE SAMPLING ANALYSIS RESULTS

SAMPLE	SUBMISSIO	N LIS	PROJECT	SUB		SAMPL	E.	EXP	OSURE	SAMPLE	SAMPLE	PREC	PREC	PREC	GAUGE	GAUGE	EFFICIENCY
NUMBER	NUMBER	SAMPLE TYPE		PROJEC CODE		REMOV		DAT		END HR	START HR	TYPE	AT EXP	AT REM.	TYPE	DEPTH (MM)	
00040583	AP02121	PR	02	01	FEB	5, 19	B7 DE	C 30,	1986	1145	1045	2			2	43.0	75.64
00040585	AP02135	PR	02	01	FEB 2	3, 19	37 F	EB 5,	1987	1120	1145	2			2	7.1	88.50
00040588	AP02173	PR	02	01	MAR 2	4, 19	37 FE	B 23,	1987	0625	1120	3			2	28.9	61.60
00040622	AP02203	PR	02	01	APR 2	1, 19	37 MA	R 24,	1987	0635	0625	3			2	62.6	67.75
00040635	AP02219	PR	02	01	MAY 1	9, 19	87 AP	R 21,	1987	1005	0635	1			3	33.0	56.28
00040638	AP02238	PR	02	01	JUN 1	6, 19	37 MA	Y 19,	1987	1020	1005	1			3	96.0	33.17
00040695	AP02255	PR	02	01	JUL 1	4, 19	37 JU	N 16,	1987	1000	1020	1		1	3	182.0	82.92
00040873	AP02279	PR	0.2	01	AUG 1	1, 19	37 JU	L 14,	1987	0640	1000	1	1		3	73.0	85.40
00040944	AP02309	PR	02	01	SEP	8, 19	37 AU	G 11,	1987	0715	0640	1			3	23.0	50.22
00040957	AP02330	PR	02	01	OCT	6, 19	37 S	EP 8,	1987	0700	0715	1			0	77.0	73.36
00084001	AP02374	PR	02	01	NOV	3, 19	37 0	CT 6,	1987	0810	0700	1		1	9	31.5	148.72
00084014	AP02397	PR	02	01	DEC	2, 19	37 N	OV 3,	1987	0700	0810	2	1		2	27.3	323.57
00084026	APO2430	PR	02	01	DEC 3	0, 19	37 D	EC 2,	1987	1330	0700	3			9	53.5	4.61
SAMPLE	FIELD	OFFICE	VOLUME	3	CONDUCT		LAB	.PH		ACIDITY	Y.TFE	SULFA	TE	NIT	RATE	CALCI	UM
NUMBER	COMMENTS	COMMENTS															
			ML		UMHO/CM							MG/L		MG/	L	MG/L	
00040583		Z	105€			2.70			.30	***			2.05		0.	95	0.50
00040585		HZ	204	1		4.10	D		.73	***	k n		3.60		1.3	36	1.52
00040588	FJ		578			0.00			.57	* * *			2.80		0.		0.82
00040622	AF		1377			1.00			.52	**1			3.35		0.3	59	0.96
00040635	ACDF	HCM	603			0.00	UG		. 63	* * 1		UG	11.20		1.		2.56
00040638	A	N	1034			4.98			.32	* * 1			4.90		0.1	80	0.72
00040695	G		4900)		7.65			.27	**1			2.90		0.5	50	0.34
00040873	A	H	2024			5.00	UG		.56	***			2.85		0.		0.70
00040944	C		375			2.00			.80	* * 1			3.80		0.		1.12
00040957			1834			2.00			.18	***			4.60		0.	51	0.62
00084001		N	1521			2.00			.27	**1			3.25		0.	71	0.32
00084014		NC	2868			8.00			.69	***			1.30		0.3		0.16
00084026		N	80	K.	1	5.50		4	.53	***	* *		2.40	LG	0.3	21	0.44

SAMPLE	CHL	DRIDE	KJEL	DAHL	MAGN	ESIUM	POTA	SSIUM	SOL	DIUM	AMMO	NIUM	PHO	SPHOR	MAN	GANESE
NUMBER	MG/	L	MG/I		MG/L		MG/L		MG/	'L	MG/I	i	MG/	L.	MG/	L
00040583		0.48		0.810		0.040		0.060		0.250		0.490		0.017		0.004
00040585	В	1.51		1.430		0.105		0.030		0.910	UG	1.130		0.026		0.007
00040588		0.54		0.240	D	0.040	<w< td=""><td>0.005</td><td></td><td>0.360</td><td>D</td><td>0.240</td><td><t< td=""><td>0.009</td><td></td><td>0.002</td></t<></td></w<>	0.005		0.360	D	0.240	<t< td=""><td>0.009</td><td></td><td>0.002</td></t<>	0.009		0.002
00040622		0.23		0.610		0.075		0.045		0.080		0.415		0.025		0.004
00040635	В	1.30	UG	8.250	UG	0.425	U	2.230	В	1.780	U	6.150	U	0.940		0.003
00040638		0.22		1.220		0.115		0.095		0.050		1.050	D	0.026		0.006
0040695		0.10		0.470		0.050	<t< td=""><td>0.010</td><td></td><td>0.025</td><td></td><td>0.435</td><td><t></t></td><td>0.002</td><td></td><td>0.003</td></t<>	0.010		0.025		0.435	<t></t>	0.002		0.003
00040873		0.15		1.130		0.095	D	0.135		0.055		0.495		0.094		0.005
00040944	<w< td=""><td>0.01</td><td></td><td>0.580</td><td></td><td>0.140</td><td></td><td>0.060</td><td></td><td>0.060</td><td></td><td>0.505</td><td><t< td=""><td>0.007</td><td></td><td>0.007</td></t<></td></w<>	0.01		0.580		0.140		0.060		0.060		0.505	<t< td=""><td>0.007</td><td></td><td>0.007</td></t<>	0.007		0.007
00040957		0.12		0.470		0.070		0.040		0.035		0.440	<t< td=""><td>0.004</td><td></td><td>0.004</td></t<>	0.004		0.004
00084001		0.24		0.400		0.045		0.035		0.040		0.375	<t< td=""><td>0.003</td><td></td><td>0.003</td></t<>	0.003		0.003
00084014		0.14		0.230	<t< td=""><td>0.020</td><td><t< td=""><td>0.020</td><td></td><td>0.050</td><td></td><td>0.170</td><td><t< td=""><td>0.002</td><td><</td><td>0.001</td></t<></td></t<></td></t<>	0.020	<t< td=""><td>0.020</td><td></td><td>0.050</td><td></td><td>0.170</td><td><t< td=""><td>0.002</td><td><</td><td>0.001</td></t<></td></t<>	0.020		0.050		0.170	<t< td=""><td>0.002</td><td><</td><td>0.001</td></t<>	0.002	<	0.001
00084026		0.28	IIS	****		0.040	<t< td=""><td>0.005</td><td></td><td>0.095</td><td></td><td>0.065</td><td>!IS</td><td>****</td><td></td><td>***</td></t<>	0.005		0.095		0.065	!IS	****		***
SAMPLE NUMBER	NIC		ZINC		IRON		LEAD		VAN	MUIDA	ALUM	INUM	COPI	PER	ACI	DITY GRAN
	MG/	L	MG/L		MG/L		MG/L		MG/	L	MG/I		MG/	և	UG/	L
00040583		0.0003		0.010		0.043	1DT	0.003		0.0004	UG	0.142		0.0016		98.10
00040585	<	0.0002		0.022		0.074	1DT	0.007		0.0004	UG	0.072		0.0024		49.70
0040588		0.0007	1DT	0.005		0.025	1DT	0.004	<	0.0004		0.029	1DT	0.0011		48.50
00040622	<	0.0002	1DT	0.004		0.025	D	0.004	<	0.0004		0.028		0.0039		57.50
00040635	D	0.0030	В	0.095	U	0.698	1DT	0.014	D	0.0006	В	0.648	В	0.0165		30.30
00040638		0.0006	1DT	0.004	UG	0.093		0.006	<	0.0004		0.083		0.0016		73.70
00040695	<	0.0002	1DT	0.002		0.020		0.003	<	0.0004		0.021	D	0.0007		66.00
00040873		0.0019	1DT	0.003		0.015		0.002	<	0.0004		0.017		0.0005		26.80
00040944		0.0008	1DT	0.013	UG	0.134		0.028	<	0.0004		0.109		0.0011		40.00
00040957	<	0.0002		0.005		0.030		0.010	<	0.0004		0.024		0.0019		99.40
0084001		0.0004		0.014		0.021		0.021	<	0.0004		0.016	1DT	0.0006		93.70
00084014	<	0.0002	<	0.001		0.009		0.011	<	0.0004	<	0.007	1DT	0.0003		47.60
00084026		****		****		****		****		****		****		****		58.20

				REGIO	ON=CE	STA	TION=	WILB	ERFO	RCE M	IC TYPE	A SITE	NO.1					
SAMPLE	SUBMISSIO	ON LIS	PROJECT	SUB		SA	MPLE		EXP	OSURE	SAMPLE	SAMPLE	PREC.	PREC.	PREC.	GAUGE	GAUGE	EFFICIENCY
NUMBER	NUMBER	SAMPLE	CODE	PROJECT	r	0.000	MOVAL		DAT	E	END	START	TYPE	AT	AT	TYPE	DEPTH (MM)	4
		TYPE		CODE		DA	TE				HR	HR		EXP	REM.			
00029637	AP02121	PR	02	01	JAN	28,	1987	DEC	30,	1986	1010	1020	2			2	23.0	80.35
00029643	AP02135	PR	02	01	FEB	24,	1987	JAN	28,	1987	0930	1010	2			2	53.0	44.51
00029650	AP02173	PR	02	01	MAR	24,	1987	FEB	24,	1987	1250	0930	3			2	18.0	89.49
00029660	AP02203	PR	02	01	APR	24,	1987	MAR	24,	1987	1230	1250	3			2	120.0	66.73
00029671	AP02226	PR	02	01	MAY	19,	1987	APR	24,	1987	1700	1230	1			3	49.0	92.71
00029680	AP02238	PR	02	01	JUN	16,	1987	MAY	19,	1987	1630	1700	1			3	83.0	17.11
00029683	AP02267	PR	02	01	JUL	14,	1987	JUN	16,	1987	0830	1630	1		1	3	122.0	90.83
00029693	AP02279	PR	02	01	AUG	11,	1987	JUL	14,	1987	0930	1115	1	1		3	25.0	91.17
00076004	AP02319	PR	02	01	SEP	10,	1987	AUG	11,	1987	1550	0930	1			3	43.0	77.86
00076007	AP02344	PR	02	01	OCT	6,	1987	SEP	10,	1987	1130	1550	1			3	60.0	58.16
00076015	AP02383	PR	02	01	NOV	3,	1987	OC'	6,	1987	1022	1130	3			3	91.0	70.54
00076036	AP02407	PR	02	01	DEC	1,	1987	NOV	13,	1987	1204	1022	3			2	124.0	60.68
00076042	AP02439	PR	02	01	DEC	29,	1987	DEC	1,	1987	1201	1204	3			2	91.0	66.00
SAMPLE	FIELD	OFFICE	VOLUME	C	CONDUC	T	1	LAB.	H		ACIDITY	Y.TFE	SULFA	TE	NIT	RATE	CALCI	UM .
NUMBER	COMMENTS	COMMENTS																
			ML	t	имно/с	M							MG/L		MG/	L	MG/L	
00029637			600)		26.	40	4	.30		**	* *	1	. 25		0.67		0.10
00029643		N	766	5		31.	30	4	1.21		***	* *	1	.70		0.91		0.16
00029650			523	3		14.	00	4	.43		**1	**	1	.00		0.29	<t< td=""><td>0.04</td></t<>	0.04
00029660		2	2600)		18.	00	4	1.39		**1	A #	1	.75		0.34	<t< td=""><td>0.08</td></t<>	0.08
00029671		2	1475	5		31.	71	- 4	.31		***	* *	3	.95		0.70		0.68
00029680	I		461		UG	63.	79	3	8.84		***	* *	6	.65		0.83		0.16
00029683			3598	3		33.	50	4	.21		***	* *	3	.55		0.55		0.36
00029693			740)		35.	10	4	.15		**1	* *	3	.45		0.55		0.24
00076004		2	1087	1		31.	50	4	.29		***	* *	3	.20		0.38		0.18
00076007	FI	Z	1133	3		32.	00	4	.25		* * 1	* *	3	.60		0.52		0.34
00076015			2084	(31.	00	4	.17		**1	* *	2	.60		0.79		0.26
00076036			2443	3		17.	00	4	.51		**1		1	.50		0.36		0.14
00076042			1950)		19.	50	4	.44		***	* *	1	.45		0.45		0.14

SAMPLE	CHLO	RIDE	KJELD	DAHL	MAGN	ESIUM	POTAS	SIUM	SODI	UM	AMMON	MUII	PHOSI	PHOR	MANG	ANESE
	MG/L		MG/L		MG/L		MG/L		MG/L	6	MG/L		MG/L		MG/I	
00029637		0.22	0	.250	<t< td=""><td>0.010</td><td><t< td=""><td>0.005</td><td></td><td>0.100</td><td>:5</td><td>0.270</td><td><t< td=""><td>0.006</td><td></td><td>0.001</td></t<></td></t<></td></t<>	0.010	<t< td=""><td>0.005</td><td></td><td>0.100</td><td>:5</td><td>0.270</td><td><t< td=""><td>0.006</td><td></td><td>0.001</td></t<></td></t<>	0.005		0.100	:5	0.270	<t< td=""><td>0.006</td><td></td><td>0.001</td></t<>	0.006		0.001
00029643		0.24	0	.530	<t< td=""><td>0.020</td><td><t< td=""><td>0.015</td><td></td><td>0.095</td><td></td><td>0.450</td><td></td><td>0.012</td><td></td><td>0.002</td></t<></td></t<>	0.020	<t< td=""><td>0.015</td><td></td><td>0.095</td><td></td><td>0.450</td><td></td><td>0.012</td><td></td><td>0.002</td></t<>	0.015		0.095		0.450		0.012		0.002
00029650		0.21	0	.100	< T	0.005	<w< td=""><td>0.005</td><td></td><td>0.150</td><td><t< td=""><td>0.005</td><td></td><td>0.030</td><td><</td><td>0.001</td></t<></td></w<>	0.005		0.150	<t< td=""><td>0.005</td><td></td><td>0.030</td><td><</td><td>0.001</td></t<>	0.005		0.030	<	0.001
00029660		0.17	0	.140	<t< td=""><td>0.010</td><td><t< td=""><td>0.015</td><td></td><td>0.025</td><td></td><td>0.190</td><td><t< td=""><td>0.005</td><td></td><td>0.001</td></t<></td></t<></td></t<>	0.010	<t< td=""><td>0.015</td><td></td><td>0.025</td><td></td><td>0.190</td><td><t< td=""><td>0.005</td><td></td><td>0.001</td></t<></td></t<>	0.015		0.025		0.190	<t< td=""><td>0.005</td><td></td><td>0.001</td></t<>	0.005		0.001
00029671		0.08	0	.590		0.105		0.040		0.040		0.615	< T	0.009	UG	0.009
00029680		0.17	0	.610		0.025		0.025		0.030		0.635	<t< td=""><td>0.003</td><td></td><td>0.002</td></t<>	0.003		0.002
00029683		0.10	0	.510		0.050		0.025		0.035		0.475	< W	0.002		0.004
00029693		0.10	0	.350		0.030	<t< td=""><td>0.010</td><td><t< td=""><td>0.010</td><td></td><td>0.310</td><td>< W</td><td>0.002</td><td></td><td>0.002</td></t<></td></t<>	0.010	<t< td=""><td>0.010</td><td></td><td>0.310</td><td>< W</td><td>0.002</td><td></td><td>0.002</td></t<>	0.010		0.310	< W	0.002		0.002
00076004		0.07	0	.380	<t< td=""><td>0.025</td><td><t< td=""><td>0.015</td><td><t< td=""><td>0.020</td><td></td><td>0.380</td><td><t< td=""><td>0.005</td><td></td><td>0.001</td></t<></td></t<></td></t<></td></t<>	0.025	<t< td=""><td>0.015</td><td><t< td=""><td>0.020</td><td></td><td>0.380</td><td><t< td=""><td>0.005</td><td></td><td>0.001</td></t<></td></t<></td></t<>	0.015	<t< td=""><td>0.020</td><td></td><td>0.380</td><td><t< td=""><td>0.005</td><td></td><td>0.001</td></t<></td></t<>	0.020		0.380	<t< td=""><td>0.005</td><td></td><td>0.001</td></t<>	0.005		0.001
00076007		0.07	0	.430		0.055		0.050	<t< td=""><td>0.020</td><td></td><td>0.405</td><td><t< td=""><td>0.007</td><td>D</td><td>0.004</td></t<></td></t<>	0.020		0.405	<t< td=""><td>0.007</td><td>D</td><td>0.004</td></t<>	0.007	D	0.004
00076015		0.15	0	.390		0.025	<t< td=""><td>0.015</td><td><t< td=""><td>0.020</td><td></td><td>0.350</td><td><t< td=""><td>0.002</td><td></td><td>0.002</td></t<></td></t<></td></t<>	0.015	<t< td=""><td>0.020</td><td></td><td>0.350</td><td><t< td=""><td>0.002</td><td></td><td>0.002</td></t<></td></t<>	0.020		0.350	<t< td=""><td>0.002</td><td></td><td>0.002</td></t<>	0.002		0.002
00076036		0.12	0	.230	<t< td=""><td>0.020</td><td><t< td=""><td>0.005</td><td></td><td>0.080</td><td></td><td>0.200</td><td><w< td=""><td>0.002</td><td><</td><td>0.001</td></w<></td></t<></td></t<>	0.020	<t< td=""><td>0.005</td><td></td><td>0.080</td><td></td><td>0.200</td><td><w< td=""><td>0.002</td><td><</td><td>0.001</td></w<></td></t<>	0.005		0.080		0.200	<w< td=""><td>0.002</td><td><</td><td>0.001</td></w<>	0.002	<	0.001
00076042		0.17	0	.310	<t< td=""><td>0.010</td><td><t< td=""><td>0.025</td><td></td><td>0.065</td><td></td><td>0.130</td><td><t< td=""><td>0.002</td><td></td><td>0.001</td></t<></td></t<></td></t<>	0.010	<t< td=""><td>0.025</td><td></td><td>0.065</td><td></td><td>0.130</td><td><t< td=""><td>0.002</td><td></td><td>0.001</td></t<></td></t<>	0.025		0.065		0.130	<t< td=""><td>0.002</td><td></td><td>0.001</td></t<>	0.002		0.001
SAMPLE NUMBER	NICK	EL	ZINC		IRON		LEAD		VANA		ALUMI	NUM	COPPI	ER	ACID	ITY GRAN
	MG/L		MG/L		MG/L		MG/L		MG/L		MG/L		MG/L		UG/I	,
00029637		0.0003	1DT	0.007	(0.019	1DT	0.003	<	0.0004		0.028		0.0019		73.30
00029643	<	0.0002	1DT	0.009	(.021	1DT	0.005	<	0.0004		0.030		0.0009		82.90
00029650		0.0003	1DT	0.010	(.010	1DT	0.002	<	0.0004	1DT	0.011	1DT	0.0005		57.40
00029660	<	0.0002	<	0.001	(.009	<	0.001	<	0.0004		0.009		0.0008		64.00
00029671	<	0.0002	1DT	0.004	(.066		0.003	<	0.0004		0.069		0.0009		69.40
00029680	<	0.0004	1DT	0.003	(.027	1DT	0.003		0.0004		0.135	1DT	0.0027	UG	171.00
00029683		0.0004	1DT	0.005	(.023		0.004	<	0.0004		0.053		0.0007		83.60
00029693		0.0002	1DT	0.001	(.005	1DT	0.004	<	0.0004	1DT	0.003	1DT	0.0006		97.00
00076004	<	0.0002	1DT	0.002	(.014		0.011	<	0.0004		0.045	<	0.0004		79.30
00076007		0.0002		0.005	(.026		0.005		0.0005		0.029	1DT	0.0010		86.30
00076015		0.0004	1DT	0.002	(.019		0.004		0.0004		0.017	1DT	0.0004		92.40
00076036		0.0010	<	0.001	(.013	UG	0.024	<	0.0004		0.008		0.0005		57.20
00076042		0.0003	<	0.002	(.022		0.012	<	0.0004		0.013		0.0010		63.50

PART IV

NORTHEASTERN REGION CUMULATIVE AMBIENT AIR CONCENTRATION RESULTS

				REG	ION-NE	ST	ATION	=AZURE	LAKE M	IC TYPE	A SITE	NO.1					
SAMPLE	SUBMISSIO	N LIS	PROJECT	SUB		SAI	MPLE	EX	POSURE	SAMPLE	SAMPLE	PREC.	PREC.				EFFICIENCY
NUMBER	NUMBER	SAMPLE	CODE	PROJEC	T		MOVAL	DA?	re.	END	START	TYPE	AT	AT	TYPE	DEPTH (MM)	*
		TYPE		CODE		DA'	TE			HR	HR	2	EXP	REM.			
00036487	AP02104	PR	02	01	JAN	5,	1987	DEC 5	1986	1000	1057	2			2	17.7	69.78
00036577	AP02121	PR	02	01	JAN	28,	1987	JAN 5,	1987	1102	1000	2		1	2	27.1	34.55
00036663	AP02167	PR	02	01	FEB	24,	1987	JAN 28,	1987	0930	1102	2			2	37.1	56.20
00036749	AP02179	PR	02	01	MAR	26,	1987	FEB 24,	1987	1131	0930	2			2	16.4	103.67
00036828	AP02203	PR	02	01	APR	23,	1987	MAR 26,	1987	1130	1131	1			2	44.9	74.02
00036881	AP02226	PR	02	01	MAY	21,	1987	APR 23,	1987	1020	1130	1			3	25.0	58.52
00036957	APO2251	PR	02	01	JUN	17,	1987	MAY 21,	1987	1018	1020	1			3	26.0	129.24
00037031	AP02279	PR	02	01	JUL	14,	1987	JUN 17,	1987	1100	1018	1		1	3	79.0	86.47
00037090	AP02295	PR	02	01	AUG	12,	1987	JUL 14,	1987	1048	1100	1			3	39.0	93.19
00037172	AP02319	PR	02	01	SEP	9,	1987	AUG 12,	1987	1255	1048	1			3	55.0	93.46
00081047	AP02348	PR	02	01	OCT	8,	1987	SEP 9,	1987	1110	1255	1			3	81.0	82.10
00081079	AP02392	PR	02	01	NOV	4,	1987	OCT 8,	1987	1145	1110	1			3	20.8	118.91
00081103	AP02413	PR	02	01	DEC	2,	1987	NOV 4,	1987	1430	1145	3			0	41.8	49.00
00081130	AP02430	PR	02	01	DEC	30,	1987	DEC 2,	1987	1055	1430	2			2	58.1	62.45
SAMPLE	FIELD	OFFICE	VOLUME		CONDUC	T	1	LAB.PH		ACIDIT	Y.TFE	SULFA	TE	NIT	RATE	CALCI	UM
NUMBER	COMMENTS	COMMENTS															
			ML		UMHO/C	М						MG/L		MG/	L	MG/L	
00036487		Z	401			21.3	30	4.44	1	**	* *	RVU	1.25		0.	44	0.22
00036577		NZ	304			23.9	90	4.38	3	* *	* *		1.15		0.	60	0.18
00036663			677	7		11.5	50	4.80)	**	* *		0.90		0.	34	0.40
00036749		2	552	2	8	20.3	30	4.30)	**	* *		1.45		0.	43	0.13
00036828			1079	9	1	23.0	00	4.27	7	**	* *		3.20		0.	38	0.34
00036881	AD		475	5	3	21.7	78	5.15	5	**	* *		4.00		0.	66 UG	0.94
00036957		NC	1091		6	21.2	23	4.20)	**	* *		3.05		0.	35	0.14
00037031	ACD		2218	3	- 3	20.7	70	4.40)	**	* *		2.15		0.	30	0.12
00037090		HM	1180)	3	16.5	50	4.45		**	* *		1.75		0.	27	0.32
00037172	C		1669	9	33	24.5	50	4.34	E.	**	* *		2.40		0.	21 <t< td=""><td>0.06</td></t<>	0.06
00081047	C		2159)		15.0	00	4.55	i	**	* *		1.40		0.	23	0.10
00081079			803	3		21.0	00	4.51		**	* *		2.05		0.	48	0.34
00081103	G	M	665		LG	7.0	00	4.80)	**1	* *		0.70	LG	0.	17 <t< td=""><td>0.04</td></t<>	0.04
00081130			1178	3		19.0	00	4.47		***	**		0.85		0.	38 <t< td=""><td>0.04</td></t<>	0.04

					REGION=	NE STAT	ION=AZUR	E LAKE M	MIC TYP	E A SITE	NO.1					
SAMPLE NUMBER	CHL	ORIDE	KJELD	AHL	MAGNE	SIUM	POTAS	SIUM	SODI	UM	AMMON	IUM	PHOSE	PHOR	MANG	ANESE
HOLDER	MG/I	9	MG/L		MG/L		MG/L		MG/L		MG/L		MG/L		MG/L	
00036487		0.20		0.525	<t< td=""><td>0.010</td><td><t< td=""><td>0.005</td><td></td><td>0.095</td><td>0</td><td>.445</td><td><t< td=""><td>0.023</td><td><</td><td>0.001</td></t<></td></t<></td></t<>	0.010	<t< td=""><td>0.005</td><td></td><td>0.095</td><td>0</td><td>.445</td><td><t< td=""><td>0.023</td><td><</td><td>0.001</td></t<></td></t<>	0.005		0.095	0	.445	<t< td=""><td>0.023</td><td><</td><td>0.001</td></t<>	0.023	<	0.001
00036577		0.32		0.120	<t< td=""><td>0.010</td><td></td><td>0.070</td><td></td><td>0.145</td><td>0</td><td>.130</td><td></td><td>0.018</td><td><</td><td>0.001</td></t<>	0.010		0.070		0.145	0	.130		0.018	<	0.001
00036663		0.15		0.220	<t< td=""><td>0.010</td><td><w< td=""><td>0.005</td><td></td><td>0.085</td><td>0</td><td>.075</td><td><t< td=""><td>0.004</td><td></td><td>0.007</td></t<></td></w<></td></t<>	0.010	<w< td=""><td>0.005</td><td></td><td>0.085</td><td>0</td><td>.075</td><td><t< td=""><td>0.004</td><td></td><td>0.007</td></t<></td></w<>	0.005		0.085	0	.075	<t< td=""><td>0.004</td><td></td><td>0.007</td></t<>	0.004		0.007
00036749	< T	0.04		0.130		0.035	<t< td=""><td>0.005</td><td></td><td>0.025</td><td></td><td>.110</td><td><t< td=""><td>0.004</td><td></td><td>0.001</td></t<></td></t<>	0.005		0.025		.110	<t< td=""><td>0.004</td><td></td><td>0.001</td></t<>	0.004		0.001
00036828		0.08		0.390	<t< td=""><td>0.015</td><td><t< td=""><td>0.010</td><td></td><td>0.045</td><td>0</td><td>.320</td><td><t< td=""><td>0.003</td><td></td><td>0.002</td></t<></td></t<></td></t<>	0.015	<t< td=""><td>0.010</td><td></td><td>0.045</td><td>0</td><td>.320</td><td><t< td=""><td>0.003</td><td></td><td>0.002</td></t<></td></t<>	0.010		0.045	0	.320	<t< td=""><td>0.003</td><td></td><td>0.002</td></t<>	0.003		0.002
00036881	< T	0.04		1.000	UG	0.190		0.130	UG	0.100	0	.740		0.042	UG	0.018
00036957	<w< td=""><td>0.01</td><td></td><td>0.410</td><td><t< td=""><td>0.010</td><td></td><td>0.045</td><td></td><td>0.040</td><td>0</td><td>.365</td><td><w< td=""><td>0.002</td><td></td><td>0.002</td></w<></td></t<></td></w<>	0.01		0.410	<t< td=""><td>0.010</td><td></td><td>0.045</td><td></td><td>0.040</td><td>0</td><td>.365</td><td><w< td=""><td>0.002</td><td></td><td>0.002</td></w<></td></t<>	0.010		0.045		0.040	0	.365	<w< td=""><td>0.002</td><td></td><td>0.002</td></w<>	0.002		0.002
00037031		0.08		0.340		0.030		0.035	<t< td=""><td>0.015</td><td></td><td>.285</td><td><w< td=""><td>0.002</td><td></td><td>0.002</td></w<></td></t<>	0.015		.285	<w< td=""><td>0.002</td><td></td><td>0.002</td></w<>	0.002		0.002
00037090		0.11		0.250		0.040	<t< td=""><td>0.020</td><td></td><td>0.035</td><td>0</td><td>.200</td><td><w< td=""><td>0.002</td><td></td><td>0.002</td></w<></td></t<>	0.020		0.035	0	.200	<w< td=""><td>0.002</td><td></td><td>0.002</td></w<>	0.002		0.002
00037172	<w< td=""><td>0.01</td><td></td><td>0.180</td><td><t< td=""><td>0.010</td><td><w< td=""><td>0.005</td><td>< T</td><td>0.005</td><td>0</td><td>.160</td><td><w< td=""><td>0.002</td><td><</td><td>0.001</td></w<></td></w<></td></t<></td></w<>	0.01		0.180	<t< td=""><td>0.010</td><td><w< td=""><td>0.005</td><td>< T</td><td>0.005</td><td>0</td><td>.160</td><td><w< td=""><td>0.002</td><td><</td><td>0.001</td></w<></td></w<></td></t<>	0.010	<w< td=""><td>0.005</td><td>< T</td><td>0.005</td><td>0</td><td>.160</td><td><w< td=""><td>0.002</td><td><</td><td>0.001</td></w<></td></w<>	0.005	< T	0.005	0	.160	<w< td=""><td>0.002</td><td><</td><td>0.001</td></w<>	0.002	<	0.001
00081047	<w< td=""><td>0.01</td><td></td><td>0.170</td><td><t< td=""><td>0.015</td><td><t< td=""><td>0.010</td><td><t< td=""><td>0.020</td><td></td><td>.135</td><td><t< td=""><td>0.003</td><td><</td><td>0.001</td></t<></td></t<></td></t<></td></t<></td></w<>	0.01		0.170	<t< td=""><td>0.015</td><td><t< td=""><td>0.010</td><td><t< td=""><td>0.020</td><td></td><td>.135</td><td><t< td=""><td>0.003</td><td><</td><td>0.001</td></t<></td></t<></td></t<></td></t<>	0.015	<t< td=""><td>0.010</td><td><t< td=""><td>0.020</td><td></td><td>.135</td><td><t< td=""><td>0.003</td><td><</td><td>0.001</td></t<></td></t<></td></t<>	0.010	<t< td=""><td>0.020</td><td></td><td>.135</td><td><t< td=""><td>0.003</td><td><</td><td>0.001</td></t<></td></t<>	0.020		.135	<t< td=""><td>0.003</td><td><</td><td>0.001</td></t<>	0.003	<	0.001
00081079		0.11		0.320		0.045	<t< td=""><td>0.020</td><td><t< td=""><td>0.010</td><td></td><td>.265</td><td><t< td=""><td>0.002</td><td></td><td>0.003</td></t<></td></t<></td></t<>	0.020	<t< td=""><td>0.010</td><td></td><td>.265</td><td><t< td=""><td>0.002</td><td></td><td>0.003</td></t<></td></t<>	0.010		.265	<t< td=""><td>0.002</td><td></td><td>0.003</td></t<>	0.002		0.003
00081103		0.08		0.100	<w< td=""><td>0.005</td><td><w< td=""><td>0.005</td><td><t< td=""><td>0.020</td><td></td><td>.070</td><td><w< td=""><td>0.002</td><td><</td><td>0.001</td></w<></td></t<></td></w<></td></w<>	0.005	<w< td=""><td>0.005</td><td><t< td=""><td>0.020</td><td></td><td>.070</td><td><w< td=""><td>0.002</td><td><</td><td>0.001</td></w<></td></t<></td></w<>	0.005	<t< td=""><td>0.020</td><td></td><td>.070</td><td><w< td=""><td>0.002</td><td><</td><td>0.001</td></w<></td></t<>	0.020		.070	<w< td=""><td>0.002</td><td><</td><td>0.001</td></w<>	0.002	<	0.001
00081130		0.06	<t< td=""><td>0.080</td><td><₩</td><td>0.005</td><td><w< td=""><td>0.005</td><td><t< td=""><td>0.020</td><td></td><td>.045</td><td><w< td=""><td>0.002</td><td><</td><td>0.001</td></w<></td></t<></td></w<></td></t<>	0.080	<₩	0.005	<w< td=""><td>0.005</td><td><t< td=""><td>0.020</td><td></td><td>.045</td><td><w< td=""><td>0.002</td><td><</td><td>0.001</td></w<></td></t<></td></w<>	0.005	<t< td=""><td>0.020</td><td></td><td>.045</td><td><w< td=""><td>0.002</td><td><</td><td>0.001</td></w<></td></t<>	0.020		.045	<w< td=""><td>0.002</td><td><</td><td>0.001</td></w<>	0.002	<	0.001
SAMPLE	NICE	EL	ZINC		IRON		LEAD		VANA	DIUM	ALUMI	NUM	COPPE	ER	ACID	ITY GRAN
NUMBER																
	MG/I	1	MG/L		MG/L		MG/L		MG/L		MG/L		MG/L		UG/L	
00036487	<	0.0002	1DT	0.003		0.032		0.004	<	0.0004	1DT	0.031		0.0027		66.70
00036577		0.0005	1DT	0.006		0.050	1DT	0.003	<	0.0004		0.063		0.0034		67.50
00036663	<		<	0.002		0.026		0.004		0.0004		0.040		0.0009		38.10
00036749	<	0.0002	1DT	0.004		0.006		0.002	<	0.0004		0.029	1DT	0.0037		66.60
00036828	<	0.0002	<	0.002		0.013	1DT	0.002	<	0.0004		0.021		0.0019		77.40
00036881		0.0004		0.010	UG	0.094		0.003	<	0.0004	UG	0.099		0.0018		28.60
00036957		0.0002		0.005		0.012		0.001	<	0.0004		0.023	D	0.0038		73.80
00037031		0.0002		0.009		0.010	1DT		<	0.0004		0.031		0.0004		62.20
00037090		0.0005	- 0.00	0.007		0.020	1DT	0.003	<	0.0004	1DT	0.019		0.0007		59.60
00037172	<	0.0002	1DT	0.001		0.008		0.010	<	0.0004		0.027	1DT	0.0006		66.30
00081047	<	0.0002		0.005		0.011	D	0.017	D	0.0007		0.019	20.00000	0.0022		48.70
00081079	<	0.0002	1DT	0.034		0.020	1DT	0.010	<	0.0004		0.016		0.0025		62.40
00081103	<	0.0002	<	0.003		0.012		0.014	<	0.0004	<	0.013		0.0004		37.90
00081130	<	0.0002	<	0.002		0.010		0.006	<	0.0004	1DT	0.007	1DT	0.0024	3	54.70

ONTARIO MINISTRY OF THE ENVIRONMENT APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY DATA LISTING CUMULATIVE SAMPLING ANALYSIS RESULTS

				REGI	ON=NE	STA	TION=	BEAR	ISL	AND M	IC TYPE	A SITE	NO.1					
SAMPLE	SUBMISSIO	N LIS	PROJECT	SUB		SA	MPLE		EXP	OSURE	SAMPLE	SAMPLE	PREC.	PREC.	PREC.	GAUGE	GAUGE	EFFICIENCY
NUMBER	NUMBER	SAMPLE	CODE	PROJEC	T	RE	MOVAL		DAT	E	END	START	TYPE	AT	AT	TYPE	DEPTH (MM)	8
		TYPE		CODE		DA	TE				HR	HR		EXP	REM.			
00036578	AP02121	PR	02	01	JAN	28,	1987	DEC	30,	1986	0907	1300	2			2	14.9	
00036664	AP02167	PR	02	01	FEB	25,	1987	JAN	28,	1987	1025	0907	2			2	107.1	21.14
00036750	AP02179	PR	02	01	MAR	25,	1987	FEB	25,	1987	0920	1025	2			2	27.0	59.66
00036882	AP02226	PR	02	01	APR	21,	1987	MAR	25,	1987	1405	0920	3			9	41.9	54.18
00036883	AP02226	PR	02	01	MAY	19,	1987	APR	21,	1987	1440	1405	1			2	55.5	80.14
00036958	AP02251	PR	02	01	JUN	17,	1987	MAY	19,	1987	1130	1440	1			3	68.0	85.29
00037032	AP02279	PR	02	01	JUL	15,	1987	JUN	17,	1987	1000	1130	1			3	68.0	104.45
00037091	AP02295	PR	02	01	AUG	11.	1987	JUL	15,	1987	1015	1000	1			3	94.0	50.20
00037173	AP02319	PR	02	01	SEP	8,	1987	AUG	11,	1987	1538	1015	1			9	52.9	66.96
00081048	AP02348	PR	02	01	OCI	6,	1987	SEE	8,	1987	1549	1538	1			9	84.6	79.73
00081080	AP02392	PR	02	01	NOV	3,	1987	OC:	6,	1987	0957	1549	1			3	22.7	118.72
00081154	AP02461	PR	02	01	DEC	1,	1987	NO	13,	1987	0937	0957	2		1	2	68.5	22.71
SAMPLE	FIELD	OFFICE	VOLUME		CONDUC	T		LAB.	H		ACIDIT	Y.TFE	SULFA	TE	NIT	RATE	CALCI	UM
NUMBER	COMMENTS	COMMENTS																
			ML		UMHO/C	M							MG/L		MG/	L	MG/L	
00036578	GE		***	*			****			***	**	* *		**	**		***	***
00036664	F		735			19.	50		4	.42	**	* *		1.05		0.	50 <t< td=""><td>0.08</td></t<>	0.08
00036750			523		LG	9.	71	UG	4	.79	**	* *		0.55	LG	0.	14	0.12
00036882	P		737			52.	16		4	.03	* *	4.4	D	6.05		0.1	85	0.64
00036883	PCD		1444			35.	54		4	.35	* *	* *		4.15		0.	45	0.60
00036958	D		1883			33.	35		4	.13	* *	* *		3.35		0.	41	0.14
00037032	ABCD	M	2306			27.	30		4	.15	**	* *		2.70		0.3	35	0.10
00037091	PA		1532		LG	13.	00		4	. 65	* * 1	* *	LG	1.65		0.3	22 <t< td=""><td>0.08</td></t<>	0.08
00037173	PB		1150			34.	90		4	.16	* * 1	* *		3.80		0.	35	0.18
00081048	PB		2190			28.	00		4	.35	* * 1	* *		3.35		0.	37	0.62
00081080	A		875			25.	00		4	.47	**	A #		2.85		0.	58	0.54
00081154	G	CM	505		LG	3.	00	UG	5	.17	* * :	4 4	В	0.40	LG	0.	10 <w< td=""><td>0.02</td></w<>	0.02

ONTARIO MINISTRY OF THE ENVIRONMENT APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY DATA LISTING CUMULATIVE SAMPLING ANALYSIS RESULTS

SAMPLE	CHLO	RIDE	KJELD	AHL	MAGNE	SIUM	POTAS	SIUM	SODIU	JM	AMMON	IUM	PHOSI	PHOR	MANG	ANESE
NOMBER	MG/L		MG/L		MG/L		MG/L		MG/L		MG/L		MG/L		MG/L	
00036578		****		****		* * * *		****		***		****		****		***
00036664		0.15		0.260	<t< td=""><td>0.010</td><td><t< td=""><td>0.015</td><td></td><td>0.070</td><td></td><td>0.165</td><td><t< td=""><td>0.008</td><td></td><td>0.001</td></t<></td></t<></td></t<>	0.010	<t< td=""><td>0.015</td><td></td><td>0.070</td><td></td><td>0.165</td><td><t< td=""><td>0.008</td><td></td><td>0.001</td></t<></td></t<>	0.015		0.070		0.165	<t< td=""><td>0.008</td><td></td><td>0.001</td></t<>	0.008		0.001
00036750		0.06	<t< td=""><td>0.040</td><td><t< td=""><td>0.010</td><td>< W</td><td>0.005</td><td></td><td>0.060</td><td><t< td=""><td>0.005</td><td></td><td>0.015</td><td><</td><td>0.001</td></t<></td></t<></td></t<>	0.040	<t< td=""><td>0.010</td><td>< W</td><td>0.005</td><td></td><td>0.060</td><td><t< td=""><td>0.005</td><td></td><td>0.015</td><td><</td><td>0.001</td></t<></td></t<>	0.010	< W	0.005		0.060	<t< td=""><td>0.005</td><td></td><td>0.015</td><td><</td><td>0.001</td></t<>	0.005		0.015	<	0.001
00036882		0.16	D	0.730		0.055		0.050		0.145		0.615		0.016		0.004
00036883	<t< td=""><td>0.05</td><td></td><td>0.760</td><td></td><td>0.115</td><td></td><td>0.095</td><td></td><td>0.105</td><td></td><td>0.445</td><td></td><td>0.042</td><td></td><td>0.013</td></t<>	0.05		0.760		0.115		0.095		0.105		0.445		0.042		0.013
00036958	<t< td=""><td>0.05</td><td></td><td>0.370</td><td></td><td>0.020</td><td></td><td>0.065</td><td></td><td>0.070</td><td></td><td>0.375</td><td><t< td=""><td>0.002</td><td></td><td>0.001</td></t<></td></t<>	0.05		0.370		0.020		0.065		0.070		0.375	<t< td=""><td>0.002</td><td></td><td>0.001</td></t<>	0.002		0.001
00037032	< T	0.05		0.260		0.025		0.045	<t< td=""><td>0.010</td><td></td><td>0.215</td><td><w< td=""><td>0.002</td><td></td><td>0.002</td></w<></td></t<>	0.010		0.215	<w< td=""><td>0.002</td><td></td><td>0.002</td></w<>	0.002		0.002
00037091		0.10		0.320	<t< td=""><td>0.015</td><td></td><td>0.050</td><td></td><td>0.045</td><td></td><td>0.285</td><td><t< td=""><td>0.008</td><td></td><td>0.001</td></t<></td></t<>	0.015		0.050		0.045		0.285	<t< td=""><td>0.008</td><td></td><td>0.001</td></t<>	0.008		0.001
00037173	< T	0.03		0.220		0.035		0.090	<t< td=""><td>0.015</td><td></td><td>0.215</td><td><t< td=""><td>0.002</td><td></td><td>0.001</td></t<></td></t<>	0.015		0.215	<t< td=""><td>0.002</td><td></td><td>0.001</td></t<>	0.002		0.001
00081048	<t< td=""><td>0.05</td><td></td><td>0.230</td><td>UG</td><td>0.160</td><td>UG</td><td>0.375</td><td></td><td>0.075</td><td><t< td=""><td>0.020</td><td></td><td>0.114</td><td></td><td>0.006</td></t<></td></t<>	0.05		0.230	UG	0.160	UG	0.375		0.075	<t< td=""><td>0.020</td><td></td><td>0.114</td><td></td><td>0.006</td></t<>	0.020		0.114		0.006
00081080		0.12		0.380		0.075		0.040		0.115		0.320	<t< td=""><td>0.006</td><td></td><td>0.004</td></t<>	0.006		0.004
00081154	<t< td=""><td>0.03</td><td><t< td=""><td>0.090</td><td>< W</td><td>0.005</td><td><w< td=""><td>0.005</td><td><w< td=""><td>0.005</td><td></td><td>0.080</td><td><w< td=""><td>0.002</td><td><</td><td>0.001</td></w<></td></w<></td></w<></td></t<></td></t<>	0.03	<t< td=""><td>0.090</td><td>< W</td><td>0.005</td><td><w< td=""><td>0.005</td><td><w< td=""><td>0.005</td><td></td><td>0.080</td><td><w< td=""><td>0.002</td><td><</td><td>0.001</td></w<></td></w<></td></w<></td></t<>	0.090	< W	0.005	<w< td=""><td>0.005</td><td><w< td=""><td>0.005</td><td></td><td>0.080</td><td><w< td=""><td>0.002</td><td><</td><td>0.001</td></w<></td></w<></td></w<>	0.005	<w< td=""><td>0.005</td><td></td><td>0.080</td><td><w< td=""><td>0.002</td><td><</td><td>0.001</td></w<></td></w<>	0.005		0.080	<w< td=""><td>0.002</td><td><</td><td>0.001</td></w<>	0.002	<	0.001
SAMPLE	NICK	EL	ZINC		IRON		LEAD		VANAL	DIUM	ALUMI	NUM	COPPI	ER	ACID	ITY GRAN
NUMBER																
	MG/L		MG/L		MG/L		MG/L		MG/L		MG/L		MG/L		UG/L	
00036578		****		****		****		****		***		****		****		****
00036664		0.0008	<	0.002		0.018	1DT	0.003		0.0004	1DT	0.038	1DT	0.0061		60.80
00036750	<	0.0002	<	0.003		0.012	<	0.003	<	0.0004		0.026	1DT	0.0013	LG	34.60
00036882		0.0007	1DT	0.006		0.030		0.006	<	0.0004		0.053	1DT	0.0049		119.00
00036883		0.0011	1DT	0.002	UG	0.061		0.002	<	0.0004		0.073		0.0018		67.00
00036958		0.0005	1DT	0.005		0.013	1DT	0.001	<	0.0004		0.020		0.0019		85.10
00037032		0.0004	1DT	0.015	D	0.008	1DT	0.001	<	0.0004		0.029		0.0009		90.90
00037091		0.0006	1DT	0.006		0.014	<	0.002	<	0.0004	1DT	0.016	1DT	0.0004	LG	43.40
00037173		0.0027	1DT	0.004		0.020		0.005	<	0.0004	1DT	0.028	1DT	0.0092		94.10
00081048	<	0.0002		0.008		0.012	1DT	0.001	<	0.0004		0.015	1DT	0.0007		79.30
00081080	<	0.0002	1DT	0.010		0.028		0.010	<	0.0004		0.034	1DT	0.0016		67.80
00081154		0.0004	<	0.003	1DT	0.010	1DT	0.014	<	0.0004	<	0.015	<	0.0006	LG	28.50

SAMPLE	SUBMISSIO	N LIS	PROJECT	SUB		SA	MPLE		EXP	OSURE	SAMPLE	SAMPLE	PREC.	PREC.	PREC.	GAUGE	GAUGE	EFFICIENC
NUMBER	NUMBER	SAMPLE		PROJEC	T		MOVAL		DAT	E	END	START	TYPE	AT	AT	TYPE	DEPTH (MM)	*
		TYPE		CODE		DA	TE				HR	HR	- 2	EXP	REM.			
00036566	AP02121	PR	02	01	JAN	27,	1987	DEC	30,	1986	1010	1100	2	1	1	2	14.0	22.00
00036652	AP02167	PR	02	01	FEB	24,	1987	JAN	27,	1987	1430	1010	2	1		2	25.0	28.83
00036738	AP02179	PR	02	01	MAR	24,	1987	FEB	24,	1987	1015	1430	2			2	8.6	70.91
00036817	AP02203	PR	02	01	APR	21,	1987	MAR	24,	1987	0900	1015	1			2	31.9	71.06
00036870	AP02226	PR	02	01	MAY	12,	1987	APR	21,	1987	1645	0900	1	1		2	26.3	78.35
00036946	AP02251	PR	02	01	JUN	16,	1987	MAY	12,	1987	1120	1645	1			3	66.9	86.78
00037020	AP02279	PR	02	01	JUL	14,	1987	JUN	16,	1987	0910	1120	1		1	3	49.0	87.31
00037079	AP02295	PR	02	01	AUG	11,	1987	JUL	14,	1987	1130	0910	1			3	80.0	51.86
00037153	AP02319	PR	02	01	SEF	8,	1987	AUG	11,	1987	1217	1130	1			3	21.0	99.88
00081035	AP02348	PR	02	01	OCI	6,	1987	SEE	8,	1987	0950	1217	1			3	145.0	86.49
00081069	AP02392	PR	02	01	NOV	1 3,	1987	OCT	6,	1987	1030	0950	1			3	23.4	115.30
00081093	AP02413	PR	02	01	DEC	1,	1987	NOV	13,	1987	1000	1030	3			3	64.3	13.94
00081119	AP02430	PR	02	01	DEC	29,	1987	DEC	1,	1987	1010	1030	3			2	57.4	50.22
SAMPLE	FIELD	OFFICE	VOLUME		CONDUC	T		LAB.E	H		ACIDITY	TFE.	SULFA	TE	NIT	RATE	CALCI	UM
NUMBER	COMMENTS	COMMENTS																
			ML		UMHO/C	M							MG/L		MG/	L	MG/L	
00036566		N	100)		41.			.20		***			.85		1.	11	0.66
00036652		N	234	1		24.			.33		***			.65		0.		0.08
00036738		C	198			22.			.56		***			.00		0.		0.08
00036817		C	736	5	UG	54.	00	3	.83		***		5	.75		0.	94	0.18
00036870		HZ	669	9		20.	38	- 4	.52		**1	* *	3	.10		0.	33	0.60
00036946		HMZ	1885	j.		20.	22	4	.36		**1		1	. 95		0.	24	0.18
00037020	AD		1389	3		19.	50	4	.55		***		2	.25		0.	35	0.10
00037079			1347	1		15.	50	4	.64		***	*	1	.50		0.	20 <t< td=""><td>0.06</td></t<>	0.06
00037153			681	E .		35.	00	4	.20		***			.25		0.	42	0.16
00081035			4072	2		27.	50	4	.31		***	r sk	2	.70		0.	28 <t< td=""><td>0.08</td></t<>	0.08
00081069			876	5		23.	00	4	.41		***	*	2	. 25		0.	44	0.32
00081093	G	H	291		LG	8.		4	.88		***		0	.95	LG	100000		0.26
00081119	G	M	936	5		17.	00	4	.46		* * 1	* *	1	.10		0.	34 <t< td=""><td>0.02</td></t<>	0.02

					REGION	N=NE STAT	ION=GOV	NGANDA MIC	TYPE	A SITE NO	0.1	*				
SAMPLE NUMBER	CHLO	RIDE	KJELD	AHL	MAGNE	ESIUM	POTAS	SSIUM	SODI	UM	AMMON	IUM	PHOS	PHOR	MANG	ANESE
	MG/L		MG/L		MG/L		MG/L		MG/L		MG/L		MG/L		MG/I	
00036566	UG	0.88	!IS	***		0.045		0.060	UG	0.720	0	.305	!IS	****		***
00036652		0.24		0.460	< T	0.005	<t< td=""><td>0.005</td><td></td><td>0.170</td><td>0</td><td>.210</td><td></td><td>0.025</td><td></td><td>0.002</td></t<>	0.005		0.170	0	.210		0.025		0.002
00036738		0.10		0.160	< T	0.020	<t< td=""><td>0.010</td><td></td><td>0.085</td><td>C</td><td>.080</td><td><t< td=""><td>0.002</td><td></td><td>0.002</td></t<></td></t<>	0.010		0.085	C	.080	<t< td=""><td>0.002</td><td></td><td>0.002</td></t<>	0.002		0.002
00036817		0.20		0.690		0.030		0.040		0.055	0	.570		0.010		0.004
00036870	<w< td=""><td>0.01</td><td></td><td>0.480</td><td></td><td>0.100</td><td></td><td>0.055</td><td></td><td>0.070</td><td>C</td><td>.385</td><td></td><td>0.015</td><td>UG</td><td>0.009</td></w<>	0.01		0.480		0.100		0.055		0.070	C	.385		0.015	UG	0.009
00036946	<t< td=""><td>0.05</td><td></td><td>0.380</td><td></td><td>0.035</td><td></td><td>0.070</td><td>< T</td><td>0.020</td><td>0</td><td>.285</td><td><t< td=""><td>0.008</td><td>D</td><td>0.005</td></t<></td></t<>	0.05		0.380		0.035		0.070	< T	0.020	0	.285	<t< td=""><td>0.008</td><td>D</td><td>0.005</td></t<>	0.008	D	0.005
00037020		0.10		0.510		0.030		0.045		0.025	0	.435	D	0.017		0.002
00037079	<w< td=""><td>0.01</td><td></td><td>0.250</td><td><w< td=""><td>0.005</td><td></td><td>0.045</td><td><t< td=""><td>0.025</td><td>0</td><td>.210</td><td><t< td=""><td>0.004</td><td></td><td>0.002</td></t<></td></t<></td></w<></td></w<>	0.01		0.250	<w< td=""><td>0.005</td><td></td><td>0.045</td><td><t< td=""><td>0.025</td><td>0</td><td>.210</td><td><t< td=""><td>0.004</td><td></td><td>0.002</td></t<></td></t<></td></w<>	0.005		0.045	<t< td=""><td>0.025</td><td>0</td><td>.210</td><td><t< td=""><td>0.004</td><td></td><td>0.002</td></t<></td></t<>	0.025	0	.210	<t< td=""><td>0.004</td><td></td><td>0.002</td></t<>	0.004		0.002
00037153		0.12		0.290		0.025	<t< td=""><td>0.015</td><td></td><td>0.025</td><td>C</td><td>-255</td><td></td><td>0.011</td><td></td><td>0.001</td></t<>	0.015		0.025	C	-255		0.011		0.001
00081035	< T	0.03		0.230	<t< td=""><td>0.010</td><td>$\leq T$</td><td>0.015</td><td><t< td=""><td>0.020</td><td>0</td><td>.205</td><td><t< td=""><td>0.002</td><td><</td><td>0.001</td></t<></td></t<></td></t<>	0.010	$\leq T$	0.015	<t< td=""><td>0.020</td><td>0</td><td>.205</td><td><t< td=""><td>0.002</td><td><</td><td>0.001</td></t<></td></t<>	0.020	0	.205	<t< td=""><td>0.002</td><td><</td><td>0.001</td></t<>	0.002	<	0.001
00081069		0.09		0.240		0.035	<t< td=""><td>0.015</td><td></td><td>0.030</td><td>0</td><td>.190</td><td><t< td=""><td>0.003</td><td></td><td>0.002</td></t<></td></t<>	0.015		0.030	0	.190	<t< td=""><td>0.003</td><td></td><td>0.002</td></t<>	0.003		0.002
00081093		0.30		0.350		0.050	D	0.035		0.145	0	.115	<t< td=""><td>0.004</td><td></td><td>0.001</td></t<>	0.004		0.001
00081119		0.09		0.150	< T	0.005	<w< td=""><td>0.005</td><td><t< td=""><td>0.020</td><td>.0</td><td>.050</td><td><w< td=""><td>0.002</td><td><</td><td>0.001</td></w<></td></t<></td></w<>	0.005	<t< td=""><td>0.020</td><td>.0</td><td>.050</td><td><w< td=""><td>0.002</td><td><</td><td>0.001</td></w<></td></t<>	0.020	.0	.050	<w< td=""><td>0.002</td><td><</td><td>0.001</td></w<>	0.002	<	0.001
SAMPLE NUMBER	NICK	EL	ZINC		IRON		LEAD		VANA	DIUM	ALUMI	NUM	COPPI	ER	ACID	ITY GRAN
	MG/L		MG/L		MG/L		MG/L		MG/L		MG/L		MG/L		UG/L	
00036566		****		****		****		****		****		***		****		102.00
00036652	<	0.0002	1DT	0.012		0.038	1DT	0.004		0.0004	1DT	0.047	1DT	0.0044		67.10
00036738		0.0007	1DT	0.011		0.066	1DT	0.004	<	0.0004		0.069		0.0032		49.20
00036817		0.0005	1DT	0.009		0.021	1DT	0.006		0.0004		0.045		0.0035	UG	170.00
00036870		0.0008	1DT	0.005		0.053		0.002	<	0.0004		0.067	1DT	0.0005		49.20
00036946		0.0004	1DT	0.002		0.018	<	0.002	<	0.0004		0.030		0.0008		59.70
00037020		0.0002	1DT	0.002		0.015	1DT	0.002	<	0.0004		0.024	1DT	0.0008		52.10
00037079	D	0.0002	1DT	0.004		0.005		0.002	<	0.0004	1DT	0.013	<	0.0003		44.70
00037153	<	0.0002	1DT	0.010		0.009		0.012	<	0.0004	1DT	0.034	<	0.0005		89.90
00081035		0.0002	1DT	0.001		0.008	1DT	0.003	<	0.0004	1DT	0.006		0.0007		74.80
00081069	<	0.0002	<	0.002	D	0.013		0.005	<	0.0004		0.020		0.0007		72.60
00081093		0.0002	1DT	0.006		0.036	1DT	0.031	D	0.0006		0.026		0.0016		36.70
00081119	<	0.0002	<	0.002		0.007		0.013	<	0.0004	1DT	0.010	1DT	0.0005		60.50

SAMPLE	SUBMISSION		PROJECT				MPLE				E SAMPLE						EFFICIENC
NUMBER	NUMBER	SAMPLE TYPE		PROJEC	T	DAT	MOVAL TE	D	ATE	END HR	START HR	TYPE	AT EXP	AT REM.	TYPE	DEPTH (MM)	*
00036484	AP02104	PR	02	01	JAN	4,	1987	DEC	2, 198	6 1044	1315	2		1	2	84.0	48.22
00036574	AP02121	PR	02	01						7 1330	1044	2	1	1	9	41.9	36.61
00036660	AP02167	PR	02	01	FEB	24,	1987	JAN 3	0, 198	7 1445	1330	2	1		2	19.9	64.23
00036746	AP02179	PR	02	01	MAR	24,	1987	FEB 2	4, 198	7 1126	1445	2			2	28.0	53.90
00036825	AP02203	PR	02	01	APR	21,	1987	MAR 2	4, 198	7 1320	1126	1			2	57.3	0.65
00036878	AP02226	PR	02	01	MAY	19,	1987	APR 2	1, 198	7 1425	1320	1	1		3	35.0	92.58
00036954	APO2251	PR	02	01	JUN	16,	1987	MAY 1	9, 198	7 0835	1425	1			3	65.0	80.27
00037028	AP02279	PR	02	01	JUL	14,	1987	JUN 1	6, 198	7 1035	1310	1			3	40.0	97.33
00037087	AP02295	PR	02	01	AUG	11,	1987	JUL 1	4, 198	7 1850	1035	1			3	45.0	96.71
00037169	AP02319	PR	02	01	SEP	8,	1987	AUG 1	1, 198	7 1020	1850	1			3	50.0	87.16
00081043	AP02348	PR	02	01	OCT	6,	1987	SEP	8, 198	7 1130	1020	1			3	62.0	47.79
00081076	AP02392	PR	02	01	NOV	3,	1987	OCT	6, 198	7 1710	1130	1			9	63.3	74.49
00081100	AP02413	PR	02	01	DEC	2,	1987	NOV	3, 198	7 0945	1710	3			0	65.2	47.85
00081125	AP02430	PR	02	01	DEC	29,	1987	DEC	2, 198	7 1107	0945	3			2	91.0	55.14
SAMPLE	FIELD (OFFICE	VOLUME		CONDUC	Г		LAB.PH		ACIDI'	TY.TFE	SULFA	TE	NIT	RATE	CALCI	UM
NUMBER	COMMENTS C	COMMENTS															
			ML		UMHO/C	М						MG/L		MG/	L	MG/L	
0036484		NZ	1315		4	3.20)		4.12	*	* * *		3.15		1.00	T> 0	0.08
00036574	P	Z	498	1	3	5.00)		4.21	*	***		1.80		0.9	2	0.30
00036660		2	415	4	D 4	5.00)		4.09	*	***		2.50		1.30	0	0.36
00036746	D		490	1	LG	8.35		UG	4.84	*	***	LG	0.45	LG	0.0		0.02
00036825	G		12		!IS	**	**		4.38	*	* * *	!IS	***	* !IS		*** !IS	***
00036878			1052	!		2.10			4.51		* * *		4.95		0.8		0.78
00036954	A		1694		4	5.99	1		3.99	*	* * *		4.60		0.7	l.	0.24
00037028			1264		3	2.90):		4.16		* * *		3.55		0.50	0	0.36
00037087			1413		2	7.00)		4.25	*	* * *		3.20		0.4		0.24
00037169	C		1415		3	1.00	1		4.23	. *	***		2.95		0.30	0	0.14
00081043	G		962		3	1.00)		4.36		***		3.40		0.48		0.34
0081076			1531		3	6.00	1)		4.23	:*:	***		3.10		0.70)	0.28
00081100	A	N	1013		2	1.00	E.		4.33	*	***		1.60		0.4		0.10
00081125	G		1629	í	21	0.50	0		4.40	1963	KINCH .		1.35		0.5	<t< td=""><td>0.06</td></t<>	0.06

CUMULATIVE SAMPLING ANALYSIS RESULTS

----- REGION=NE STATION=KILLARNEY MIC TYPE A SITE NO.1 -----MANGANESE MAGNESIUM POTASSIUM SODIUM AMMONIUM PHOSPHOR SAMPLE CHLORIDE KJELDAHL NUMBER MG/L MG/L MG/L MG/L MG/L MG/L MG/L MG/L 0.780 <T 0.015 0.005 0.035 0.670 <W 0.002 0.001 00036484 0.18 <T 0.002 0.004 00036574 0.29 0.330 0.035 <T 0.020 0.110 0.280 0.011 0.003 00036660 0.35 D 1.130 0.050 <T 0.005 0.140 0.685 0.008 0.001 0.005 0.005 0.040 0.005 <T 00036746 0.06 0.080 <W *** **** *** !IS **** !IS *** !IS *** 1IS *** *** 00036825 !IS 0.130 0.060 0.110 0.970 0.016 0.012 00036878 0.12 1.050 0.004 0.002 0.700 0.040 0.060 0.035 0.645 <T 00036954 0.08 0.002 0.002 00037028 0.10 0.480 0.060 0.040 <T 0.015 0.365 <T 0.002 0.002 00037087 <W 0.01 0.430 0.040 <T 0.020 0.025 0.405 <T 0.125 <T 0.006 0.001 0.200 <T 0.025 0.015 0.025 00037169 0.07 <T <T 0.055 0.230 UG 0.205 0.500 0.013 0.003 00081043 0.25 0.900 0.002 00081076 0.23 0.350 0.040 0.035 0.080 0.285 <T 0.008 0.005 <T 0.015 <W 0.005 0.070 0.175 <T 0.001 00081100 0.13 0.230 0.285 <T 0.002 0.001 0.410 0.005 <T 0.010 0.025 00081125 0.14 <T IRON LEAD VANADIUM ALUMINUM COPPER ACIDITY GRAN NICKEL ZINC SAMPLE NUMBER UG/L MG/L MG/L MG/L MG/L MG/L MG/L MG/L 00036484 < 0.0002 1DT 0.005 0.014 1DT 0.006 0.0005 0.022 0.0011 114.00 0.0041 87.20 00036574 1DT 0.034 1DT 0.005 0.0004 0.072 0.0007 0.009 1DT 0.0025 D 119.00 00036660 < 0.0002 1DT 0.013 0.040 0.006 0.0004 1DT 0.046 0.023 0.003 0.0004 1DT 0.017 D 0.0011 LG 33.60 00036746 < 0.0002 0.003 1DT *** **** *** **** *** *** 91.40 *** 00036825 0.0009 00036878 0.0003 1DT 0.006 0.071 0.002 0.0004 0.083 55,60 1DT 0.001 0.0004 0.028 0.0016 UG 117.00 0.008 0.018 00036954 < 0.0002 0.0004 1DT 0.029 1DT 0.0005 95.50 00037028 0.0002 0.017 0.025 1DT 0.002 1DT 0.006 0.0004 1DT 0.017 1DT 0.0004 84.30 00037087 0.0005 1DT 0.011 0.018 < 1DT 0.0026 83.70 0.011 0.0004 0.031 00037169 0.0007 1DT 0.005 0.018 < 00081043 0.0012 0.016 0.018 1DT 0.002 0.0004 1DT 0.014 1DT 0.0030 73.50 1DT 0.0010 0.014 0.008 0.0004 0.012 99.10 0.0002 1DT 0.003 00081076 < 1DT 0.009 0.0034 69.00 00081100 0.0004 0.002 0.011 1DT 0.004 0.0004

0.010

0.0004

0.008

0.0003

65.10

00081125 < 0.0002

0.002

0.012

SAMPLE	SUBMISSIO		PROJECT	SUB			MPLE		EXP	OSURE	SAMPLE							EFFICIENCY
NUMBER	NUMBER	SAMPLE	CODE	PROJEC	T		MOVAL		DAT	E	END	START	TYPE	AT	AT	TYPE	DEPTH (MM)	*
		TYPE		CODE		DA	TE				HR	HR		EXP	REM.			
00036571	AP02121	PR	02	01	JAN	27,	1987	DEC	30,	1986	1415	1430	2			2	16.4	71.18
00036657	AP02167	PR	02	01	FEB	26,	1987	JAN	27,	1987	1350	1415	2	1		9	61.1	53.18
00036743	AP02179	PR	02	01	MAR	24,	1987	FEB	26,	1987	1315	1350	2			2	50.7	21.44
00036822	AP02203	PR	0.2	01	APR	21,	1987	MAR	24,	1987	0945	1315	1			2	46.7	84.09
00036875	AP02226	PR	02	01	MAY	19,	1987	APR	21,	1987	1100	0945	1			3	47.7	88.07
00036951	AP02251	PR	02	01	JUN	16,	1987	MAY	19,	1987	1354	1100	1			3	73.0	94.97
00037025	AP02279	PR	02	01	JUL	15,	1987	JUN	16,	1987	1230	1354	1			3	50.0	88.77
00037084	AP02295	PR	02	01	AUG	13,	1987	JUL	15,	1987	1450	1230	1			3	51.0	93.06
00037158	AP02319	PR	02	01	SEP	8,	1987	AUG	13,	1987	1850	1450	1			3	98.0	86.55
00081040	AP02348	PR	02	01	OCT	6,	1987	SEL	8,	1987	0910	1850	1			3	51.0	102.61
00081073	AP02392	PR	02	01	NOV	3,	1987	OC:	6,	1987	1005	0910	1		1	3	45.9	151.85
00081097	AP02413	PR	02	01	DEC	1,	1987	NOV	3,	1987	1020	1005	3			3	55.7	74.76
00081123	APO2430	PR	02	01	DEC	30,	1987	DEC	1,	1987	1530	1020	2			2	62.5	71.85
SAMPLE	FIELD	OFFICE	VOLUME		CONDUC	T	(1	LAB.	H		ACIDITY	TFE.	SULFA'	TE	NIT	RATE	CALCI	UM
NUMBER	COMMENTS (COMMENTS																
			ML	1	UMHO/C	M							MG/L		MG/	L	MG/L	
36571000			379	9		21.	40		4	. 53	***	*		1.25		0.	56	0.30
00036657	P	Z	1055	5		20.	50		4	.39	***	*		0.95		0.	56 <t< td=""><td>0.06</td></t<>	0.06
0036743		NZ	353	3	LG	8.	87		4	. 68	***	*		0.60	LG	0.	13 <t< td=""><td>0.04</td></t<>	0.04
00036822			1275	5		25.	00		4	.19	***	*		2.45		0.	47 <t< td=""><td>0.08</td></t<>	0.08
00036875	P		1364	1		37.	83		4	.30	***	*	UG	6.00		0.	73	0.82
00036951	CD	H	2251			30.	83		4	. 25	***	*		3.70		0.	50	0.16
00037025		С	1441		LG	12.	20		4	. 41	***	ri#		2.15		0.	40	0.28
0037084			1541			22.	00		4	.34	***	*		2.50		0.3	30	0.14
0037158		2	2754	1		33.	00		4	. 23	***	*		3.30		0.	36	0.10
00081040			1699	9	LG	15.	50	D	4	.57	***	*	В	1.45	LG	0.	20	0.10
0081073		N	2263	3		27.	00		4	.40	***	*		2.30		0.	62	0.22
0081097			1352			18.	00		4	.38	***	*		1.55		0.	44 <t< td=""><td>0.08</td></t<>	0.08
00081123			1458			22.	50		4	.34	***	*		1.30		0.	51 <t< td=""><td>0.06</td></t<>	0.06

71.70

ONTARIO MINISTRY OF THE ENVIRONMENT APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY DATA LISTING

CUMULATIVE SAMPLING ANALYSIS RESULTS

SAMPLE NUMBER	CHL	ORIDE	KJELD	AHL	MAGNI	ESIUM	POTAS	SIUM	SODI	UM	AMMON	NUI	PHOS	PHOR	MANGA	ANESE
MODIDER	MG/1	i.	MG/L		MG/L		MG/L		MG/L		MG/L		MG/L		MG/L	
00036571		0.36		0.210		0.025		0.030		0.275		0.115		0.031	(0.005
00036657		0.17		0.310	<t< td=""><td>0.005</td><td><t< td=""><td>0.015</td><td></td><td>0.090</td><td></td><td>0.220</td><td><t< td=""><td>0.008</td><td>(</td><td>0.001</td></t<></td></t<></td></t<>	0.005	<t< td=""><td>0.015</td><td></td><td>0.090</td><td></td><td>0.220</td><td><t< td=""><td>0.008</td><td>(</td><td>0.001</td></t<></td></t<>	0.015		0.090		0.220	<t< td=""><td>0.008</td><td>(</td><td>0.001</td></t<>	0.008	(0.001
00036743		0.17	<t< td=""><td>0.070</td><td><t< td=""><td>0.005</td><td><t< td=""><td>0.015</td><td></td><td>0.115</td><td><t< td=""><td>0.020</td><td></td><td>0.025</td><td>(</td><td>.001</td></t<></td></t<></td></t<></td></t<>	0.070	<t< td=""><td>0.005</td><td><t< td=""><td>0.015</td><td></td><td>0.115</td><td><t< td=""><td>0.020</td><td></td><td>0.025</td><td>(</td><td>.001</td></t<></td></t<></td></t<>	0.005	<t< td=""><td>0.015</td><td></td><td>0.115</td><td><t< td=""><td>0.020</td><td></td><td>0.025</td><td>(</td><td>.001</td></t<></td></t<>	0.015		0.115	<t< td=""><td>0.020</td><td></td><td>0.025</td><td>(</td><td>.001</td></t<>	0.020		0.025	(.001
00036822		0.19		0.190	< T	0.010		0.025		0.055		0.220	<t< td=""><td>0.003</td><td>(</td><td>0.002</td></t<>	0.003	(0.002
00036875		0.09		0.970		0.150		0.105		0.085		0.845		0.022	(0.015
00036951	< T	0.04		1.140		0.045	В	0.250	<t< td=""><td>0.020</td><td></td><td>0.745</td><td>D</td><td>0.069</td><td>(</td><td>0.002</td></t<>	0.020		0.745	D	0.069	(0.002
00037025		0.10		0.360		0.050		0.035		0.025		0.235	<t< td=""><td>0.009</td><td>(</td><td>.003</td></t<>	0.009	(.003
00037084		0.19		0.270	< T	0.020	< T	0.020		0.025		0.245	<w></w>	0.002	(0.002
00037158		0.12		0.330	<t< td=""><td>0.020</td><td><t< td=""><td>0.020</td><td></td><td>0.045</td><td></td><td>0.295</td><td><t< td=""><td>0.006</td><td>(</td><td>.001</td></t<></td></t<></td></t<>	0.020	<t< td=""><td>0.020</td><td></td><td>0.045</td><td></td><td>0.295</td><td><t< td=""><td>0.006</td><td>(</td><td>.001</td></t<></td></t<>	0.020		0.045		0.295	<t< td=""><td>0.006</td><td>(</td><td>.001</td></t<>	0.006	(.001
00081040	<w< td=""><td>0.01</td><td></td><td>0.160</td><td><t< td=""><td>0.015</td><td><t< td=""><td>0.010</td><td><t< td=""><td>0.005</td><td></td><td>0.130</td><td><t< td=""><td>0.003</td><td>(</td><td>.001</td></t<></td></t<></td></t<></td></t<></td></w<>	0.01		0.160	<t< td=""><td>0.015</td><td><t< td=""><td>0.010</td><td><t< td=""><td>0.005</td><td></td><td>0.130</td><td><t< td=""><td>0.003</td><td>(</td><td>.001</td></t<></td></t<></td></t<></td></t<>	0.015	<t< td=""><td>0.010</td><td><t< td=""><td>0.005</td><td></td><td>0.130</td><td><t< td=""><td>0.003</td><td>(</td><td>.001</td></t<></td></t<></td></t<>	0.010	<t< td=""><td>0.005</td><td></td><td>0.130</td><td><t< td=""><td>0.003</td><td>(</td><td>.001</td></t<></td></t<>	0.005		0.130	<t< td=""><td>0.003</td><td>(</td><td>.001</td></t<>	0.003	(.001
00081073		0.16		0.390		0.035		0.035		0.120		0.350	<t< td=""><td>0.006</td><td>(</td><td>0.002</td></t<>	0.006	(0.002
00081097		0.13		0.260	<t< td=""><td>0.020</td><td><w< td=""><td>0.005</td><td></td><td>0.065</td><td></td><td>0.215</td><td><t< td=""><td>0.003</td><td>(</td><td>.002</td></t<></td></w<></td></t<>	0.020	<w< td=""><td>0.005</td><td></td><td>0.065</td><td></td><td>0.215</td><td><t< td=""><td>0.003</td><td>(</td><td>.002</td></t<></td></w<>	0.005		0.065		0.215	<t< td=""><td>0.003</td><td>(</td><td>.002</td></t<>	0.003	(.002
00081123		0.13		0.150	<t< td=""><td>0.005</td><td><t< td=""><td>0.015</td><td></td><td>0.040</td><td></td><td>0.110</td><td><w< td=""><td>0.002</td><td>(</td><td>.001</td></w<></td></t<></td></t<>	0.005	<t< td=""><td>0.015</td><td></td><td>0.040</td><td></td><td>0.110</td><td><w< td=""><td>0.002</td><td>(</td><td>.001</td></w<></td></t<>	0.015		0.040		0.110	<w< td=""><td>0.002</td><td>(</td><td>.001</td></w<>	0.002	(.001
SAMPLE	NICE		ZINC		IRON	0.700.020	LEAD		VANA		ALUMI		COPP	ER	ACIDI	TY GRAI
NUMBER									202042		10000000					
	MG/I	kv.	MG/L		MG/L		MG/L		MG/L		MG/L		MG/L		UG/L	
36571000		0.0010	1DT	0.007		0.057	<	0.004	<	0.0004		0.077	UG	0.0272		57.10
00036657	<	0.0002	1DT	0.001		0.018		0.003		0.0004	1DT	0.015	1DT	0.0023		62.80
00036743	<	0.0002	1DT	0.006		0.038	1DT	0.002	<	0.0004		0.048	1DT	0.0013		44.90
00036822		0.0004	<	0.002		0.015	1DT	0.001	<	0.0004		0.020		0.0016		82.50
00036875		0.0003	1DT	0.006	UG	0.103		0.004	<	0.0004		0.079		0.0007		76.50
00036951		0.0002	1DT	0.006		0.021	1DT	0.002	<	0.0004		0.026		0.0012		76.60
00037025		0.0004	1DT	0.006		0.025	1DT	0.002	<	0.0004	1DT	0.012		0.0005		60.80
00037084		0.0007		0.010		0.029	1DT	0.002	<	0.0004	1DT	0.020	1DT	0.0019		69.60
00037158	<	0.0002	1DT	0.001		0.021		0.004	<	0.0004		0.028	1DT	0.0010		84.90
00081040	<	0.0002		0.005		0.019	1DT	0.001	<	0.0004	D	0.036	1DT	0.0012	LG	49.50
00081073	<	0.0002	1DT	0.001		0.024		0.002	<	0.0004		0.017	1DT	0.0006		75.20
00081097		0.0004	1DT	0.004	D	0.026	1DT	0.016	<	0.0004		0.013	1DT	0.0021		65.80
10001031																

0.004 < 0.0004

400

1DT 0.008

0.0012

0.033

00081123 < 0.0002 < 0.002

SAMPLE	SUBMISSIO		PROJECT				MPLE				SAMPLE							EFFICIENCY
NUMBER	NUMBER	SAMPLE	CODE	PROJEC	T		MOVAL		DAT	E	END	START	TYPE	AT	AT	TYPE	DEPTH (MM)	*
		TYPE		CODE		DA	TE				HR	HR		EXP	REM.			
00036573	AP02121	PR	02	01	JAN	27,	1987	DEC	29,	1986	0815	0800	2			2	4.0	190.19
00036659	AP02167	PR	02	01	FEB	24,	1987	JAN	27,	1987	0820	0815	2			2	81.0	24.07
00036745	AP02179	PR	02	01	MAR	24,	1987	FEB	24,	1987	0830	0820	2			2	26.0	89.32
00036824	AP02203	PR	02	01	APR	21,	1987	MAR	24,	1987	0820	0830	1			3	60.2	78.07
00036877	AP02226	PR	02	01	MAY	19,	1987	APR	21,	1987	0815	0820	1			3	29.0	107.59
00036953	AP02251	PR	02	01	JUN	16,	1987	MAY	19,	1987	0830	0815	1			3	117.0	49.65
00037027	AP02279	PR	02	01	JUL	14,	1987	JUN	16,	1987	0830	0830	1			3	10.0	197.74
00037086	AP02295	PR	02	01	AUG	11,	1987	JUL	14,	1987	0820	0830	1			3	21.0	185.68
00037160	AP02319	PR	02	01	SEP	8,	1987	AUG	11,	1987	0830	0820	1		1	3	134.0	72.22
00081042	AP02348	PR	02	01	OCT	6,	1987	SEE	8,	1987	0830	0830	1	1	1	3	75.0	85.87
00081075	AP02392	PR	02	01	NOV	3,	1987	OC3	6,	1987	0835	0830	1	1	1	3	78.0	104.36
00081099	AP02430	PR	02	01	DEC	12,	1987	NOV	13,	1987	0830	0835	3		1	2	121.4	80.25
00081129	APO2430	PR	02	01	DEC	29,	1987	DEC	12,	1987	0845	0830	3			2	44.9	61.26
SAMPLE	FIELD	OFFICE	VOLUME		CONDUC	T		LAB.F	Н		ACIDITY	TFE.	SULFA	TE	NIT	RATE	CALCI	UM
NUMBER	COMMENTS	COMMENTS																
			ML	1	UMHO/C	M							MG/L		MG/	L	MG/L	
00036573	G		247	7		32.	30		4	. 24	***	*		1.60		0.1	32	0.14
00036659	F		633	3		25.	00		4	. 42	***	* *		1.40		0.8	36	0.14
00036745			754	1		14.	60		4	. 53	***	k #		0.90		0.3	24 <t< td=""><td>0.02</td></t<>	0.02
00036824		C	1526	5	D	32.	00		4	.06	***	ek:	D	3:20		0.	75 <t< td=""><td>0.06</td></t<>	0.06
00036877			1013	3		48.	15		4	.07	***	*		5.85		0.8	84	0.68
00036953		NHM	1886	5		43.	46		4	.15	* * *	*		5.70		0.8	38	0.58
00037027	ABC	NC	642	2	LG	11.	30	В	6	.49	***	*		4.10		0.5	55	0.48
00037086		N	1266	5		23.	50		4	.32	* * *	*		2.80		0.3	39	0.22
00037160			3142			44.	50		4	.08	***	*		4.15		0.5	54	0.18
00081042	JC		2091			26.	00		4	.34	***	*		2.55		ū.:	37	0.26
00081075			2643	3		31.0	00		4	.29	***	*		2.60		0.6	59	0.16
0081099		2	3163	3		23.5	50		4	.37	***	*		1.85		0.5		0.10
0081129	G	HMZ	893		LG	4.0	00	UG	5	.17	***	*	LG	0.30	LG			0.02

CUMULATIVE SAMPLING ANALYSIS RESULTS

REGION=NE STATION=MCKELLAR MIC TYPE A SITE NO.1 ------SAMPLE CHLORIDE KJELDAHL MAGNESIUM POTASSIUM SODIUM AMMONIUM PHOSPHOR MANGANESE NUMBER MG/L MG/L MG/L MG/L MG/L MG/L MG/L MG/L 0.160 0.290 <T 0.003 0.002 00036573 0.34 0.290 0.030 <T 0.025 0.002 00036659 0.31 0.630 <T 0.020 <T 0.010 0.170 0.535 0.011 0.005 0.001 00036745 0.09 0.040 0.005 0.005 0.055 0.005 <T 0.475 0.006 0.002 00036824 0.25 0.540 0.010 <T 0.020 0.040 00036877 0.09 0.760 0.095 0.060 0.070 0.740 0.011 UG 0.010 0.017 00036953 0.11 UG 1.540 0.120 UG 0.280 0.045 UG 1.350 0.064 UG 0.005 1.980 0.105 0.370 0.070 В 1.450 В 0.174 00037027 0.15 B 0.380 0.015 <T 0.025 0.365 0.002 0.002 00037086 0.01 0.030 <T <T 0.035 0.335 0.008 0.001 00037160 0.12 0.420 0.035 <T 0.015 <T 0.002 00081042 <T 0.03 0.330 0.050 0.030 <T 0.020 0.265 <T 0.005 0.440 0.030 0.015 0.015 0.400 <T 0.003 0.001 00081075 0.13 <T <T 0.19 0.280 0.015 0.010 0.050 0.285 <T 0.002 0.001 00081099 <T <T 0.045 0.090 <T 0.003 0.001 00081129 0.15 0.210 <T 0.005 <T 0.005 COPPER ACIDITY GRAN SAMPLE NICKEL ZINC IRON LEAD VANADIUM ALUMINUM NUMBER UG/L MG/L MG/L MG/L MG/L MG/L MG/L MG/L 00036573 D 0.0048 1DT 0.013 0.173 < 0.005 0.0004 0.061 B 0.0434 83.70 0.0004 1DT 0.0022 64.40 00036659 0.0002 1DT 0.012 0.030 1DT 0.004 1DT 0.038 52.40 0.0004 1DT 0.015 1DT 0.0009 00036745 < 0.0002 < 0.002 0.071 < 0.002 0.0002 1DT 0.002 0.013 1DT 0.001 0.0004 0.016 0.0013 108.00 00036824 < < 00036877 0.0093 1DT 0.006 0.241 0.004 0.0004 0.062 D 0.0026 109.00 D 00036953 0.0002 1DT 0.009 0.035 0.002 0.0004 0.037 0.0020 93.60 0.0013 28.80 00037027 0.0007 0.021 0.033 1DT 0.002 0.0004 0.056 D 00037086 0.0005 0.006 0.047 1DT 0,003 < 0.0004 1DT 0.016 1DT 0.0014 72.40 1DT 0.0002 1DT 0.001 0.011 0.005 < 0.0004 0.032 1DT 0.0007 107.00 00037160 < 0.016 1DT 0.001 0.0004 0.014 0.0010 70.30 0.004 00081042 0.0002 00081075 0.0002 0.001 0.013 0.009 0.0004 0.010 1DT 0.0007 88.70 0.0008 73.10 00081099 0.0002 0.001 0.012 0.004 0.0008 0.012 < 0.0004 24.50

0.004

0.0004

0.011

LG

0.009

0.002

00081129

0.0002

CUMULATIVE SAMPLING ANALYSIS RESULTS

------ REGION=NE STATION=MOONBEAM MIC TYPE A SITE NO.1 ------

SAMPLE	SUBMISSI	ON LIS	PROJECT	SUB		SA	MPLE		EXP	OSURE	SAMPLE	SAMPLE	PREC.	PREC.	PREC.	GAUGE	GAUGE	EFFICIENCY
NUMBER	NUMBER	SAMPLE	CODE	PROJEC	T	RE	MOVAL		DAT	E	END	START	TYPE	AT	AT	TYPE	DEPTH (MM)	8
		TYPE		CODE		DA	TE				HR	HR		EXP	REM.			
2022 2222	1010110	72/2						-			1122	92.10	-	2	1.0	2	40.00	
00036575		PR	02	01					222.00		1338	1348	2	1	1	2	21.6	49.19
00036661	AP02167	PR	02	01						1987		1338	2	1		9	19.3	29.52
00036747		PR	02	01						1987		1327	2			2	22.6	14.04
00036826		PR	02	01						1987		1350	1			2	22.2	50.92
00036879		PR	02	01						1987		1250	1			3	18.2	51.62
00036955		PR	02	01					0.5	1987		1415	1			3	50.0	76.57
00037029		PR	02	01						1987		1330	1			3	140.0	89.54
00037088		PR	02	01		-			J. S. 157	1987		1345	1			3	65.0	95.67
00037170	AP02319	PR	02	01		1 333				1987	1428	1353	1			3	45.0	80.63
00081044	AP02348	PR	02	01	OCI	6,	1987	SEI	9,	1987	1441	1428	1		1	3	75.0	94.54
00081077	AP02392	PR	02	01	NOV	3,	1987	OC:	6,	1987	1435	1441	1			3	59.0	81.85
00081101	AP02413	PR	02	01	DEC	8,	1987	NO	13,	1987	1335	1435	3			0	54.0	66.05
00081127	AP02430	PR	02	01	DEC	30,	1987	DEC	8,	1987	1430	1335	2			2	71.4	24.42
SAMPLE	FIELD	OFFICE	VOLUME		CONDUC	T	- 3	LAB.	H		ACIDITY	Y.TFE	SULFA'	TE	NIT	RATE	CALCI	UM
NUMBER	COMMENTS	COMMENTS																
			ML		UMHO/C	M							MG/L		MG/	L	MG/L	
00036575		N	345	i i		30.	50		4	. 27	***	* *		1.40		0.1	89	0.22
00036661	P	н	185	i i		14.	00	В	6	.01	***	* *		1.65		0.	47	0.88
00036747		NCM	103	3	D	39.	60	В	7	. 68	**	* *		1.05	<w< td=""><td>0.0</td><td>01 B</td><td>4.84</td></w<>	0.0	01 B	4.84
00036826	D		367	1		17.	00	UG	6	. 65	***	* *		4.75		0.	52 UG	2.00
00036879			305	i		34.	96	UG	7	.49	***	* *	UG	5.05		0.	61 B	3.52
00036955	C		1243	3		16.	17		4	. 49	***			1.75		0.:	24	0.16
00037029	D	2	4070)		9.	40		4	.89	***	r:k	LG	0.85		0.	15	0.18
00037088		Z	2019	3		17.	00		4	.50	***	k:k		1.65		0.3	20 <t< td=""><td>0.10</td></t<>	0.10
00037170			1178	1		16.	00		4	. 61	***	**		1.55		0.	23	0.14
00081044			2302			17.	00		4	. 64	***	* *		2.15		0.3	27	0.22
00081077			1568			22.				. 47	***	**		2.10		0.		0.16
00081101	GQ	2	1158	Ė		11.	00		4	.59	***	* *		1.15		0.3		0.08
00081127	G	Z	566			11.				. 62	***	* *		0.75		0.:		0.04
	1979	520								5 5550						20.70	Me.	10 50 50 E

CUMULATIVE SAMPLING ANALYSIS RESULTS

----- REGION=NE STATION=MOONBEAM MIC TYPE A SITE NO.1 -----SAMPLE CHLORIDE KJELDAHL MAGNESIUM POTASSIUM SODIUM AMMONIUM PHOSPHOR MANGANESE NUMBER MG/L MG/L MG/L MG/L MG/L MG/L MG/L MG/L 0.003 00036575 0.36 0.300 0.040 0.035 0.225 0.290 0.031 0.415 0.090 0.021 0.012 00036661 В 0.64 0.280 D 0.140 D 0.035 B UG **** 0.009 00036747 0.76 !IS **** 1.280 0.050 0.435 0.005 !IS 00036826 0.25 0.780 0.410 0.110 D 0.175 0.180 D 0.052 0.014 В 00036879 0.13 UG 1.170 0.635 0.210 UG 0.235 0.745 0.069 0.001 0.290 0.030 0.055 0.035 0.240 0.002 0.002 00036955 0.07 <W 0.05 0.015 0.030 0.010 0.080 <W 0.002 0.001 00037029 <T 0.160 <T <T LG 0.001 00037088 0.01 0.180 0.015 <T 0.005 0.030 0.140 0.002 0.015 0.005 0.020 0.155 0.002 0.001 00037170 <W 0.01 0.190 <T <T <T 00081044 <T 0.02 0.400 0.030 <T 0.020 0.140 D 0.360 <T 0.005 0.002 00081077 0.12 0.280 0.030 0.025 0.030 0.245 <T 0.002 0.002 0.020 <W 0.005 0.055 0.130 <W 0.002 < 0.001 00081101 0.11 0.190 <T 0.100 0.005 <W 0.005 <T 0.020 0.040 <W 0.002 0.001 00081127 0.06 <T NICKEL ZINC IRON LEAD VANADIUM ALUMINUM COPPER ACIDITY GRAN SAMPLE NUMBER MG/L MG/L MG/L MG/L MG/L UG/L MG/L MG/L 00036575 0.0034 1DT 0.010 0.039 1DT 0.003 < 0.0004 0.067 0.0033 81.70 0.140 0.008 0.0004 0.109 1DT 0.0008 19.10 00036661 0.0006 1DT 0.015 D LG 0.754 0.011 0.637 0.0047 9.34 00036747 0.0019 1DT 0.011 0.0005 B LG 00036826 0.0009 1DT 0.004 0.113 0.004 < 0.0004 D 0.128 0.0036 LG 15.40 0.216 0.0004 2.721 0.0026 14.20 00036879 0.0006 0.033 UG 0.004 00036955 0.0002 1DT 0.003 0.012 0.002 0.0004 0.026 0.0011 48.60 0.0004 1DT 0.0006 32.10 00037029 0.0006 0.001 1DT 0.008 1DT 0.002 1DT 0.011 00037088 0.0005 0.001 0.011 1DT 0.003 0.0004 1DT 0.014 1DT 0.0007 54.50 00037170 0.0002 1DT 0.004 0.007 0.004 < 0.0004 1DT 0.033 1DT 0.0009 45.50 < 0.015 45.70 0.004 0.001 0.0004 1DT 0.013 0.0006 00081044 0.0002 0.020 0.010 0.0004 0.014 1DT 0.0010 64.90 00081077 D 0.0013 0.002 47.70 00081101 0.0002 0.002 0.005 0.015 0.0004 1DT 0.010 1DT 0.0007 <

0.009

0.0004

0.014

1DT 0.0009

44.30

00081127

<

0.0002

0.003

0.022

				RE	GION=NE S	TATIO	N=MOO	SON	EE MI	C TYPE	A SITE	NO.1 -					
SAMPLE	SUBMISSI	ON LIS	PROJECT	SUB	SA	MPLE		EXP	OSURE	SAMPLE	SAMPLE	PREC.	PREC.	PREC.	GAUGE	GAUGE	EFFICIENCY
NUMBER	NUMBER	SAMPLE	CODE	PROJEC	T RE	MOVAI	4	DAT	E	END	START	TYPE	AT	AT	TYPE	DEPTH (MM)	*
		TYPE		CODE	DA	TE				HR	HR		EXP	REM.			
00036576	AP02121	PR	02	01	FEB 2,	1987	DEC	30,	1986	1300	1330	2		1	2	142.0	6.72
00036662	AP02167	PR	02	01	FEB 25,	1987	FEB	2,	1987	1300	1300	2	1	1	2	20.6	12.71
00036827	AP02203	PR	02	01	APR 15,	1987	FEB	25,	1987	1723	1300	1			2	31.3	43.49
00036880	AP02226	PR	02	01	MAY 19,	1987	APR	15,	1987	1230	1723	1			3	41.0	84.36
00036956	AP02251	PR	02	01	JUN 16,	1987	MAY	19,	1987	1900	1230	1			3	44.0	17.08
00037030	AP02279	PR	02	01	JUL 15,	1987	JUN	16,	1987	1831	1900	1			3	71.0	126.19
00037089	AP02295	PR	0.2	01	AUG 11,	1987	JUL	15,	1987	1937	1831	1			3	110.0	93.94
00037171	AP02319	PR	02	01	SEP 8,	1987	AUG	11,	1987	2000	1937	1			2	91.0	87.19
00081046	AP02348	PR	02	01	OCT 6,	1987	SEP	8,	1987	1730	2000	1		1	3	34.3	95.00
00081078	AP02392	PR	02	01	NOV 3,	1987	OCT	6,	1987	1730	1730	1	1		3	54.7	48.82
00081102	AP02413	PR	02	01	DEC 1,	1987	NOV	3,	1987	1230	1730	3			0	31.8	145.77
00081128	APO2430	PR	02	01	DEC 29,	1987	DEC	1,	1987	1730	1230	2			2	28.6	83.57
SAMPLE	FIELD	OFFICE	VOLUME	3	CONDUCT		LAB.P	H		ACIDITY	Y.TFE	SULFA	TE	NIT	RATE	CALCI	UM
NUMBER	COMMENTS	COMMENTS						1									
			ML	Ì	UMHO/CM							MG/L		MG/	L	MG/L	
00036576	P	Z	310	0	16.3	0		4.	55	***	* *		0.85		0.40	T> (T	0.10
00036662		NZ	85	5	9.0	0		5.3	23	* * 1	* *		1.10		0.22	2	0.50
00036827		NHZ	442	2	8.0	0		5.	18	***	k #		1.50		0.21	į.	0.54
00036880	D	HZ	1123	3	24.0	7		4.5	52	**1	* *		3.75		0.45	5	0.92
00036956	G		24	4	> 100.0	0	UG	8.	28	***	* *	UG	12.50		0.07	1	1.58
00037030	QA	N	2909	9	12.2	0		4.	79	**1	* *		1.20		0.25	i	0.20
00037089			3355	5	8.0	0	UG	6.	78	***	* *		0.80		0.10)	0.26
00037171			2576	6	14.0	0		4.1	55	**1	* *		1.35		0.15	T>	0.06
00081046	В		1058	В	20.0	0		4.1	65	***	* *		2.50		0.28	1	0.50
00081078		N	867	7	31.0	0		4.:	36	***	* *		2.90		0.50)	0.14
00081102		N	1505	5	INR *	***	INR		***	***	* *	INR	***	* !NR	* *	** INK	4 = = =
00081128	G		776	6	13.0	0		4.	50	***	**		0.80		0.34		0.12

CUMULATIVE SAMPLING ANALYSIS RESULTS

REGION-NE STATION-MOOSONEE MIC TYPE A SITE NO.1 -----MANGANESE SAMPLE CHLORIDE KJELDAHL MAGNESIUM POTASSIUM SODIUM AMMONIUM PHOSPHOR NUMBER MG/L MG/L MG/L MG/L MG/L MG/L MG/L MG/L 0.035 <T 0.015 0.090 0.115 <T 0.002 0.001 0.200 00036576 0.23 **** 00036662 0.31 9.000 0.095 0.040 0.180 !IR **** <W 0.002 0.004 00036827 0.13 0.380 0.085 <T 0.010 0.065 0.160 <T 0.005 0.013 0.011 00036880 0.07 0.620 0.105 0.080 0.080 0.525 2.75 *** 0.405 U 23.000 34.000 50.000 ! SM *** 0.001 00036956 1 SM 0.300 0.090 0.080 0.002 0.003 00037030 0.20 0.035 0.150 <W 00037089 0.50 0.580 0.035 0.295 0.240 0.360 0.004 0.001 0.010 <T 0.010 0.050 0.140 0.004 0.001 0.01 0.190 00037171 0.080 0.510 0.013 0.005 00081046 0.52 0.250 0.130 0.120 0.050 0.040 0.320 0.430 <W 0.002 0.001 00081078 0.59 0.490 *** *** **** *** *** **** INR INR 00081102 INR **** ! NR !NR !NR INR < 0.001 00081128 0.24 <T 0.090 0.025 <T 0.005 0.100 0.040 <W 0.002 NICKEL ZINC IRON LEAD VANADIUM ALUMINUM COPPER ACIDITY GRAN SAMPLE NUMBER MG/L MG/L MG/L MG/L MG/L MG/L MG/L UG/L 0.027 < 0.0004 0.044 0.0021 49.40 00036576 0.0005 1DT 0.035 1DT 0.003 *** **** **** *** 26.00 00036662 0.065 0.003 0.0004 0.049 0.0019 26.20 00036827 0.0002 1DT 0.008 00036880 0.0005 1DT 0.005 0.050 0.003 0.0004 0.072 0.0007 53.70 0.005 0.150 UG 0.0571 1.00 00036956 UG 0.0107 0.073 0.181 0.0037 UG 0.007 1DT 0.001 0.0004 0.043 0.0013 36.30 00037030 0.0008 1DT 0.016 1DT 0.024 0.017 1DT 0.003 0.0004 1DT 0.011 0.0036 17.10 00037089 0.0008 42.40 00037171 < 0.0002 0.001 1DT 0.004 0.008 0.0004 1DT 0.020 1DT 0.0002 0.003 0.0004 0.031 47.00 00081046 < 0.0002 0.031 0.024 0.0010 0.010 0.023 0.0004 1DT 0.010 1DT 0.0013 86.30 1DT 0.006 00081078 < 0.0002 *** 00081102 *** *** *** **** *** *** *** INR

0.007

< 0.0004

0.011

0.0010

46.60

0.002

00081128

0.0013

0.074

				REGI	ON=NE	STA	TION=	TURK	EY L	AKES	MIC TYP	E A SIT	E NO.1					
SAMPLE	SUBMISSIO	N LIS	PROJECT	SUB		SA	MPLE		EXP	OSURE	SAMPLE	SAMPLE	PREC.	PREC.	PREC.	GAUGE	GAUGE	EFFICIENCY
NUMBER	NUMBER	SAMPLE	CODE	PROJEC	T	RE	MOVAL		DAT	E	END	START	TYPE	AT	AT	TYPE	DEPTH (MM)	*
		TYPE		CODE		DA	TE				HR	HR		EXP	REM.			
00036572	AP02121	PR	02	01	JAN	27,	1987	DEC	30,	1986	1200	1030	2		1	2	41.8	69.63
00036658	AP02167	PR	02	01	FEB	24,	1987	JAN	27,	1987	1045	1215	2	1		2	32.4	66.73
00036744	AP02179	PR	02	01	MAR	24,	1987	FEB	24,	1987	1135	1045	2		2	2	17.3	55.01
00036823	AP02203	PR	0.2	01	APR	21,	1987	MAR	24,	1987	1102	1135	1			2	47.1	73.04
00036876	AP02226	PR	02	01	MAY	19,	1987	APR	21,	1987	0855	1102	1		1	3	67.2	88.69
00036952	APO2251	PR	02	01	JUN	16,	1987	MAY	19,	1987	1030	0855	1	1		3	93.0	92.00
00037026	AP02279	PR	02	01	JUL	14,	1987	JUN	16,	1987	1120	1030	1		1	3	52.0	97.49
00037085	AP02295	PR	02	01	AUG	11,	1987	JUL	14,	1987	1130	1120	3	1		3	40.0	83.31
00037159	AP02319	PR	02	01	SEP	8,	1987	AUG	11,	1987	1000	1130	1			3	175.0	89.76
00081041	AP02348	PR	02	01	OCI	6,	1987	SEE	8,	1987	1130	1000	1		1	3	82.0	88.38
00081074	AP02392	PR	02	01	NOV	3,	1987	oca	6,	1987	1030	1130	1	1		3	69.0	118.16
00081098	AP02413	PR	02	01	DEC	1,	1987	NOV	13,	1987	1200	1030	3			3	106.4	86.76
00081124	APO2430	PR	02	01	DEC	29,	1987	DEC	1,	1987	1230	1200	3			2	145.7	79.51
SAMPLE	FIELD	OFFICE	VOLUME		CONDUC	T	1	LAB.	H		ACIDITY	TFE.	SULFA	TE	NIT	RATE	CALCI	UM
NUMBER	COMMENTS	COMMENTS																
			ML		UMHO/C	M							MG/L		MG/	L	MG/L	
00036572			945	5		21.	40	4	4.48		***	*	1	.05		0.59		0.12
00036658			702	2		25.	00	4	4.44		***	r sk	1	.90		0.79		0.30
00036744			309	9		18.	80	- 4	1.39		***	*	1	.30		0.33	<t< td=""><td>0.06</td></t<>	0.06
00036823		C	1117	7		28.	00	4	4.16		***	*	3	.80		0.53		0.18
00036876		H	1935	5		13.	76	5	5.04		***	eric	1	.75		0.35		0.34
00036952	A		2778	3		25.	27	4	1.32		***	*	2	.85		0.46		0.14
00037026	A	С	1646	5		10.	80	4	1.53		***	*	2	.20		0.46		0.26
00037085			1082	2		20.	00	4	1.42		* * *	*	2	.25		0.36		0.22
00037159			5100)		17.	00	4	1.61		***	*	1	.90		0.27		0.12
00081041	В		2353	1	LG	7.	50	5	5.24		***	*	1	.40		0.23		0.32
00081074			2647	1		19.	00	4	1.63		***	*	2	.25		0.51		0.40
00081098			2997			17.	00	4	1.40		***	*	1	.65		0.36		0.16
00081124	ACF		3761			14.	50	4	1.54		***	*	1	.00		0.37	<t< td=""><td>0.06</td></t<>	0.06

ONTARIO MINISTRY OF THE ENVIRONMENT

APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

DATA LISTING

CUMULATIVE SAMPLING ANALYSIS RESULTS

SAMPLE CHLORIDE KJELDAHL MAGNESIUM POTASSIUM SODIUM AMMONIUM PHOSPHOR MANGANESE NUMBER MG/L MG/L MG/L MG/L MG/L MG/L MG/L MG/L 0.025 0.060 0.235 <T 0.002 0.001 00036572 0.27 0.220 0.130 0.035 0.005 0.095 0.560 0.006 0.003 00036658 0.21 0.620 <T <T 0.160 <T 0.010 <W 0.005 0.120 0.080 D 0.016 0.001 00036744 0.14 00036823 0.15 0.630 0.030 <T 0.025 0.055 0.475 <T 0.009 0.005 0.01 0.470 0.065 0.035 0.025 0.460 <T 0.003 0.006 00036876 <W 0.600 0.025 0.040 0.020 0.595 0.003 0.002 00036952 0.01 <T <T 00037026 0.15 0.420 0.055 <W 0.005 0.075 0.370 <T 0.008 0.005 0.025 0.035 0.295 0.003 00037085 0.14 0.360 <T 0.015 <T 0.003 00037159 <W 0.01 0.360 <T 0.015 <T 0.010 <T 0.010 0.340 <T 0.006 0.001 00081041 0.01 0.240 0.035 D 0.210 0.090 0.140 <T 0.004 B 0.048 00081074 0.08 0.440 0.060 0.035 0.020 0.375 <T 0.005 0.005 00081098 0.21 0.270 <T 0.010 <W 0.005 0.055 0.225 <W 0.002 0.001 0.200 0.005 <T 0.005 <W 0.002 0.001 0.06 <T <T 0.020 D 0.145 00081124 SAMPLE NICKEL ZINC IRON LEAD VANADIUM ALUMINUM COPPER ACIDITY GRAN NUMBER MG/L MG/L MG/L UG/L MG/L MG/L MG/L MG/L D 0.0012 1DT 0.007 0.013 0.002 < 0.0004 0.027 56.20 00036572 0.0002 < 00036658 0.0002 1DT 0.003 0.026 1DT 0.002 0.0004 1DT 0.031 1DT 0.0009 60.20 < 00036744 < 0.0002 < 0.004 0.012 < 0.004 < 0.0004 1DT 0.033 1DT 0.0013 58.70 00036823 0.0007 0.002 0.022 1DT 0.001 0.0004 0.031 0.0051 91.10 1DT 0.0005 00036876 < 0.0002 1DT 0.001 0.036 0.002 0.0004 1DT 0.052 28.20 0.009 0.017 0.0009 65.30 0.0002 0.003 0.001 < 0.0004 00036952 < 00037026 0.0004 1DT 0.007 0.021 1DT 0.001 < 0.0004 0.028 0.0007 52.00 00037085 0.0007 1DT 0.005 0.018 1DT 0.004 < 0.0004 1DT 0.022 1DT 0.0011 62.50 0.018 1DT 0.0003 00037159 0.0002 1DT 0.002 0.007 0.004 0.0004 44.60 < 0.0002 0.009 0.075 0.007 0.0004 0.011 1DT 0.0005 31.90 00081041 00081074 0.0002 0.001 0.023 0.005 0.0004 1DT 0.029 < 0.0003 52.80

1DT 0.002

0.003

0.0004

0.0004

0.007

1DT 0.006

<

1DT 0.0024

1DT 0.0002

60.70

50.90

0.001

0.001

00081098

00081124

<

<

0.0002

0.0002

0.007

0.007

SAMPLE	SUBMISSION	N LIS	PROJECT	SUB		SA	MPLE		EXP	OSURE	SAMPLE	SAMPLE	PREC.	PREC.	PREC.	GAUGE	GAUGE	EFFICIENCY
NUMBER	NUMBER	SAMPLE	CODE	PROJEC	T	RE	MOVAL		DAT	E	END	START	TYPE	AT	AT	TYPE	DEPTH (MM)	*
		TYPE		CODE		DA	TE				HR	HR		EXP	REM.			
00029641	AP02135	PR	02	01	JAN	27,	1987	DEC	30,	1986	1330	1000	2			2	19.0	78.95
00029642	AP02135	PR	02	01	FEB	24,	1987	JAN	27,	1987	1335	1330	2			2	39.0	74.16
00029665	AP02219		02	01	MAR	23,	1987	FEB	24,	1987	1615	1335	2			9	12.5	67.27
00029664	AP02219		02	01	APR	21,	1987	MAR	23,	1987	1145	1615	3			2	83.0	81.53
00029681	AP02251	PR	02	01	MAY	19,	1987	APR	21,	1987	1135	1145	1			3	26.0	177.93
00029682	AP02251	PR	02	01	JUN	16,	1987	MAY	19,	1987	1410	1135	1			3	101.0	91.85
00029690	AP02279	PR	02	01	JUL	21,	1987	JUN	16,	1987	0835	1410	1			3	33.0	112.19
00029696	AP02279	PR	02	01	AUG	11,	1987	JUL	21,	1987	0830	0835	1			3	39.0	91.77
00076010	AP02344	PR	02	01	SEE	8,	1987	AUG	11,	1987	0830	0830	1			3	44.0	97.93
00076011	AP02344	PR	02	01	OCT	6,	1987	SEE	8,	1987	0830	0830	1			9	89.8	63.11
00076031	AP02407	PR	02	01	NOV	4,	1987	OC'	6,	1987	1540	1610	3		1	3	81.0	99.43
00076044	AP02439	PR	02	01	DEC	1,	1987	NOV	4,	1987	1550	1540	3			2	85.0	66.96
00076045	AP02439	PR	02	01	DEC	29,	1987	DEC	1,	1987	1330	1550	3	1		2	62.0	74.12
SAMPLE	FIELD (OFFICE	VOLUME	- 1	CONDUC	T		LAB.	Н		ACIDITY	Y.TFE	SULFA	TE	NIT	RATE	CALCI	UM
NUMBER	COMMENTS (COMMENTS																
			ML	1	UMHO/C	M							MG/L		MG/	L	MG/L	
00029641			487	7	2	7.1	0		4 .	21	***	**	1.	50		0.67		0.16
00029642	C		939	9	2	2.4	0		4 .	42	***	* *	0.	85		0.64	<t< td=""><td>0.08</td></t<>	0.08
00029665	I	Х	273	3		180	***		1	***	***	* *		***		****		****
00029664	E		2197	7		*	***		1	***	***	r je		***		****		***
00029681		N	1502	2	3	1.8	4		4 .	33	***	* *	4.	45		0.73		0.76
00029682		Н	3012	2	1	8.1	9	UG	6.	07	***	* *	3.	75		0.42		0.18
00029690		2	1202	2	1	9.9	0		4 .	42	***	* *	2.	10		0.30		0.12
00029696		Z	1162	2	3	2.3	0		4	18	***	* *	3.	40		0.35		0.10
00076010			1399)	R E	3.50	0		3.	93	**1	**	5.	45		0.84		0.32
00076011			1840)	2	1.00	0		4.	45	***	* *	2.	00		0.30		0.20
00076031			2615	5	3	0.0	0		4	24	***	k at	2.	45		0.68		0.22
00076044	P		1848	3	1	5.50	0		4.	52	***	* *	1.	25		0.34	<t< td=""><td>0.06</td></t<>	0.06
00076045			1492)	2	2.50	0		4.	3.3	***	**	1.	40		0.52	<t< td=""><td>0.06</td></t<>	0.06

73.90

ONTARIO MINISTRY OF THE ENVIRONMENT APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY DATA LISTING

CUMULATIVE SAMPLING ANALYSIS RESULTS

				DAHL		ON=NE STAT		ITNEY MIC		A SITE NO		onium		SPHOR		IGANESE
SAMPLE	CHI	LORIDE	KJEI	DAHL	MAGN	ESTUM	POTA	551UM	SUL	TOM	AMMIC	MIUM	PHO	SPHOR	PIMIN	IGANESE
Nonzan	MG	/L	MG/I	¥	MG/I		MG/L		MG/	L	MG/I		MG/	ů.	MG/	L
00029641		0.23		0.310	<t< th=""><th>0.015</th><th>< T</th><th>0.010</th><th></th><th>0.120</th><th></th><th>0.160</th><th></th><th>0.017</th><th></th><th>0.002</th></t<>	0.015	< T	0.010		0.120		0.160		0.017		0.002
00029642		0.16		0.220	<t< td=""><td>0.010</td><td><w< td=""><td>0.005</td><td></td><td>0.055</td><td></td><td>0.160</td><td><t< td=""><td>0.007</td><td></td><td>0.001</td></t<></td></w<></td></t<>	0.010	<w< td=""><td>0.005</td><td></td><td>0.055</td><td></td><td>0.160</td><td><t< td=""><td>0.007</td><td></td><td>0.001</td></t<></td></w<>	0.005		0.055		0.160	<t< td=""><td>0.007</td><td></td><td>0.001</td></t<>	0.007		0.001
00029665		****		****		****		****		****		****		****		***
00029664		***		****		***		****		****		***		****		***
00029681		0.06		0.830		0.110		0.080		0.045		0.815	<t< td=""><td>0.006</td><td></td><td>0.001</td></t<>	0.006		0.001
00029682		0.06	UG	2.120		0.025		0.150	<t< td=""><td>0.025</td><td>UG</td><td>1.550</td><td>UG</td><td>0.126</td><td></td><td>0.003</td></t<>	0.025	UG	1.550	UG	0.126		0.003
00029690	<t< td=""><td>0.05</td><td></td><td>0.280</td><td></td><td>0.030</td><td><T</td><td>0.020</td><td><t< td=""><td>0.010</td><td></td><td>0.240</td><td><w< td=""><td>0.002</td><td></td><td>0.002</td></w<></td></t<></td></t<>	0.05		0.280		0.030	<T	0.020	<t< td=""><td>0.010</td><td></td><td>0.240</td><td><w< td=""><td>0.002</td><td></td><td>0.002</td></w<></td></t<>	0.010		0.240	<w< td=""><td>0.002</td><td></td><td>0.002</td></w<>	0.002		0.002
00029696		0.10		0.390	D	0.010	<t< td=""><td>0.015</td><td><t< td=""><td>0.005</td><td></td><td>0.340</td><td><w< td=""><td>0.002</td><td>В</td><td>0.017</td></w<></td></t<></td></t<>	0.015	<t< td=""><td>0.005</td><td></td><td>0.340</td><td><w< td=""><td>0.002</td><td>В</td><td>0.017</td></w<></td></t<>	0.005		0.340	<w< td=""><td>0.002</td><td>В</td><td>0.017</td></w<>	0.002	В	0.017
00076010		0.19		0.440		0.050		0.030		0.035		0.370	<t< td=""><td>0.005</td><td></td><td>0.002</td></t<>	0.005		0.002
00076011	<t< td=""><td>0.05</td><td></td><td>0.210</td><td></td><td>0.030</td><td></td><td>0.025</td><td><t< td=""><td>0.020</td><td></td><td>0.190</td><td><t< td=""><td>0.003</td><td></td><td>0.001</td></t<></td></t<></td></t<>	0.05		0.210		0.030		0.025	<t< td=""><td>0.020</td><td></td><td>0.190</td><td><t< td=""><td>0.003</td><td></td><td>0.001</td></t<></td></t<>	0.020		0.190	<t< td=""><td>0.003</td><td></td><td>0.001</td></t<>	0.003		0.001
00076031	<t< td=""><td>0.01</td><td></td><td>0.370</td><td></td><td>0.025</td><td><t< td=""><td>0.020</td><td><t< td=""><td>0.025</td><td></td><td>0.355</td><td><w< td=""><td>0.002</td><td></td><td>0.001</td></w<></td></t<></td></t<></td></t<>	0.01		0.370		0.025	<t< td=""><td>0.020</td><td><t< td=""><td>0.025</td><td></td><td>0.355</td><td><w< td=""><td>0.002</td><td></td><td>0.001</td></w<></td></t<></td></t<>	0.020	<t< td=""><td>0.025</td><td></td><td>0.355</td><td><w< td=""><td>0.002</td><td></td><td>0.001</td></w<></td></t<>	0.025		0.355	<w< td=""><td>0.002</td><td></td><td>0.001</td></w<>	0.002		0.001
00076044		0.08		0.160	<t< td=""><td>0.005</td><td><t< td=""><td>0.010</td><td></td><td>0.050</td><td></td><td>0.145</td><td><t< td=""><td>0.003</td><td><</td><td>0.001</td></t<></td></t<></td></t<>	0.005	<t< td=""><td>0.010</td><td></td><td>0.050</td><td></td><td>0.145</td><td><t< td=""><td>0.003</td><td><</td><td>0.001</td></t<></td></t<>	0.010		0.050		0.145	<t< td=""><td>0.003</td><td><</td><td>0.001</td></t<>	0.003	<	0.001
00076045		0.11		0.180	<t< td=""><td>0.005</td><td><t< td=""><td>0.005</td><td></td><td>0.045</td><td></td><td>0.145</td><td><t< td=""><td>0.004</td><td><</td><td>0.001</td></t<></td></t<></td></t<>	0.005	<t< td=""><td>0.005</td><td></td><td>0.045</td><td></td><td>0.145</td><td><t< td=""><td>0.004</td><td><</td><td>0.001</td></t<></td></t<>	0.005		0.045		0.145	<t< td=""><td>0.004</td><td><</td><td>0.001</td></t<>	0.004	<	0.001
SAMPLE	NIC	CKEL	ZINC	8	IRON	12	LEAD		VAN	ADIUM	ALUM	INUM	COPI	PER	ACI	DITY GRAN
NUMBER																
	MG/	L	MG/I		MG/I		MG/L		MG/	L	MG/I	i .	MG/		UG/	L
00029641	<	0.0002		0.011		0.025	1DT	0.003	<	0.0004		0.062		0.0010		81.90
00029642	<	0.0002		0.005		0.010	1DT	0.002	<	0.0004		0.023		0.0013		67.00
00029665		****		****		***		***		****		***		***		***
00029664		****		****		****		****		****		***		****		****
00029681		0.0002	1DT	0.004		0.062		0.002	D	0.0009		0.073		0.0011		66.70
00029682	<	0.0002		0.007	1DT	0.021	1DT	0.001		0.0006		0.031	1DT	0.0005	LG	26.70
00029690		0.0003	<	0.002		0.009	1DT	0.002	<	0.0004	1DT	0.009	1DT	0.0004		60.40
00029696	D	0.0010	<	0.002		0.011	<	0.002	<	0.0004	1DT	0.006		0.0011		90.40
00076010		0.0005		0.004		0.025		0.005	<	0.0004		0.027	1DT	0.0011	UG	161.00
00076011	<	0.0002	1DT	0.001		0.014	1DT	0.004	<	0.0004		0.013		0.0006		61.80
00076031	<	0.0002	1DT	0.002		0.016		0.017	<	0.0004		0.015		0.0007		87.00
00076044	<	0.0002	<	0.002		0.007		0.005	<	0.0004	<	0.008	1DT	0.0003		53.70
			7794					0 011		0.0004		0 000	2 0 0	0 0000		72 00

0.009

00076045 < 0.0002 < 0.002

0.011 < 0.0004

1DT 0.009

1DT 0.0003

PART V NORTHWESTERN REGION CUMULATIVE AMBIENT AIR RESULTS

SAMPLE	SUBMISSION	LIS	PROJECT	SUB		SAN	MPLE		EXP	OSURE	SAMPLE	SAMPLE	PREC.	PREC.	PREC.	GAUGE	GAUGE	EFFICIENC
NUMBER	NUMBER	SAMPLE		PROJEC	Т		MOVAL		DAT		END	START	TYPE	AT	AT	TYPE	DEPTH (MM)	
		TYPE		CODE		DAT					HR	HR		EXP	REM.			
00031620	AP02135	PR	02	01	JAN	27,	1987	DEC	30,	1986	0908	0939	3			2	11.0	42.00
00031622	AP02173	PR	02	01	FEB	24,	1987	JAN	27,	1987	0845	0930	2			2	29.3	73.37
00031623	AP02190	PR	02	01	MAR	24,	1987	FEB	24,	1987	0857	0849	2			2	12.1	22.15
00031624	AP02226	PR	0.2	01	APR	21,	1987	MAR	24,	1987	0907	0902	1			2	4.5	78.03
00031625	AP02243	PR	02	01	MAY	19,	1987	APR	21,	1987	0910	0908	1			2	20.3	87.70
00031626	APO2251	PR	02	01	JUN	16,	1987	MAY	19,	1987	0903	0910	1			2	52.0	85.71
00031627	AP02295	PR	02	01	JUL	14,	1987	JUN	16,	1987	0904	0906	1			3	46.0	102.58
00031628	AP02309	PR	02	01	AUG	11,	1987	JUL	14,	1987	0913	0904	1			3	77.0	87.28
00031629	AP02330	PR	02	01	SEP	8,	1987	AUG	11,	1987	0920	0915	1			9	105.1	107.43
00031630	AP02374	PR	02	01	OCT	6,	1987	SEF	8,	1987	0900	0926	1	1	1	3	52.0	91.75
00031631	AP02394	PR	02	01	NOV	3,	1987	OC1	6,	1987	0905	0914	1	1		2	56.0	90.47
00031632	AP02412	PR	02	01	DEC	1,	1987	NOV	13,	1987	0908	0910	2		1	9	39.0	60.34
00031633	AP02439	PR	02	01	DEC	29,	1987	DEC	1,	1987	0833	0912	2	1		2	36.0	13.69
SAMPLE	FIELD C	FFICE	VOLUME	(CONDUC	T		LAB.E	H		ACIDITY	Y.TFE	SULFA	TE	NIT	RATE	CALCI	UM
NUMBER	COMMENTS C	OMMENTS	3															
			ML	Ţ	JMHO/C	М							MG/L		MG/	L	MG/L	
00031620		N	150)	22	. 90			4	. 48	**	**	1	.70		0.	62	0.26
00031622			698	3	24	.50			4	.31	**	* *	1	.30		0.	70	0.20
00031623		NC	87	1	24	.00			4	. 93	***	* *	1	.20	<w< td=""><td>0.0</td><td>01 <t< td=""><td>0.08</td></t<></td></w<>	0.0	01 <t< td=""><td>0.08</td></t<>	0.08
00031624	Q		114	1	42	.99			4	.13	**	* *	4	.35		0.	94	0.60
00031625	Q		578	3	15	.13		UG	6	.76	**	* *	1	.90		0.5	51	0.68
00031626	С	H	1447	1	12	.13			4	.70	**	* *	1	.30		0.3	22	0.16
00031627	C		1532	2	14	.50			4	.76	**1	* *	1	.45		0.2	25	0.12
00031628	CAF	H	2182	2	11	.00			5	.16	**1	* *	1	.60		0.3	30	0.24
00031629	QF		3666	5	10	.00			4	.88	**1	* *	1	.20		0.3	1.8	0.14
00031630	D	H	1549	1	7	.00			4	. 98	***	* *	0	.90		û.:	13	0.16
00031631	D		1645	Ď	8	.50			4	. 85	***	**	1	.25		0.3	21	0.14
00031632	CP		764		18	.00			4	. 45	***	* *	1	.80		0.4	48	0.12
00031633		N	160	1	21	.00			4	.39	**1	* *	1	.40		0.	19	0.22

ONTARIO MINISTRY OF THE ENVIRONMENT APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY DATA LISTING

					- REGI	ON=NW STA	TION=D	ORION MIC	TYPE	A SITE NO	.1					
SAMPLE	CHI	ORIDE	KJEI	DAHL	MAGN	ESIUM	POTA	SSIUM	SOI	OIUM	AMMO	DNIUM	PHO	SPHOR	MAN	GANESE
William	MG/	'L	MG/I		MG/L		MG/I		MG/	L	MG/I	ar.	MG/	L	MG/	L
00031620		0.42		0.460		0.030	<t< td=""><td>0.020</td><td></td><td>0.305</td><td></td><td>0.340</td><td><w< td=""><td>0.002</td><td></td><td>0.004</td></w<></td></t<>	0.020		0.305		0.340	<w< td=""><td>0.002</td><td></td><td>0.004</td></w<>	0.002		0.004
00031622		0.20		0.370		0.030	<t< td=""><td>0.010</td><td></td><td>0.090</td><td></td><td>0.230</td><td><t< td=""><td>0.009</td><td></td><td>0.003</td></t<></td></t<>	0.010		0.090		0.230	<t< td=""><td>0.009</td><td></td><td>0.003</td></t<>	0.009		0.003
00031623		0.54	!IS	****	<t< td=""><td>0.010</td><td><t< td=""><td>0.005</td><td></td><td>0,395</td><td><t< td=""><td>0.010</td><td>!IS</td><td>****</td><td><</td><td>0.001</td></t<></td></t<></td></t<>	0.010	<t< td=""><td>0.005</td><td></td><td>0,395</td><td><t< td=""><td>0.010</td><td>!IS</td><td>****</td><td><</td><td>0.001</td></t<></td></t<>	0.005		0,395	<t< td=""><td>0.010</td><td>!IS</td><td>****</td><td><</td><td>0.001</td></t<>	0.010	!IS	****	<	0.001
00031624		0.49	!IS	****		0.075		0.085		0.380		0.555	!IS	***		****
00031625		0.06		1.100		0.140		0.090		0.075		0.740		0.034		0.002
00031626		0.07		0.350	< T	0.020		0.060		0.025		0.265	<t< td=""><td>0.008</td><td></td><td>0.003</td></t<>	0.008		0.003
00031627	< 4	0.01		0.400		0.025		0.030		0.035		0.275	<t< td=""><td>0.009</td><td></td><td>0.002</td></t<>	0.009		0.002
00031628		0.22		0.390		0.050		0.045		0.035		0.360		0.017		0.007
00031629	<1	0.03		0.250	<t< td=""><td>0.020</td><td></td><td>0.035</td><td><7</td><td>0.015</td><td></td><td>0.225</td><td><t< td=""><td>0.003</td><td></td><td>0.001</td></t<></td></t<>	0.020		0.035	<7	0.015		0.225	<t< td=""><td>0.003</td><td></td><td>0.001</td></t<>	0.003		0.001
00031630	< W	0.01		0.140		0.030		0.025		0.035		0.120	<t< td=""><td>0.004</td><td></td><td>0.002</td></t<>	0.004		0.002
00031631		0.07		0.260		0.025	<t< td=""><td>0.005</td><td></td><td>0.035</td><td></td><td>0.200</td><td><t< td=""><td>0.006</td><td><</td><td>0.001</td></t<></td></t<>	0.005		0.035		0.200	<t< td=""><td>0.006</td><td><</td><td>0.001</td></t<>	0.006	<	0.001
00031632		0.23		0.470	<t< td=""><td>0.015</td><td><t< td=""><td>0.010</td><td></td><td>0.075</td><td></td><td>0.395</td><td><t< td=""><td>0.007</td><td></td><td>0.001</td></t<></td></t<></td></t<>	0.015	<t< td=""><td>0.010</td><td></td><td>0.075</td><td></td><td>0.395</td><td><t< td=""><td>0.007</td><td></td><td>0.001</td></t<></td></t<>	0.010		0.075		0.395	<t< td=""><td>0.007</td><td></td><td>0.001</td></t<>	0.007		0.001
00031633	D	0.51		0.230	<t< td=""><td>0.010</td><td><t< td=""><td>0.005</td><td></td><td>0.415</td><td><t< td=""><td>0.005</td><td>D</td><td>0.034</td><td></td><td>***</td></t<></td></t<></td></t<>	0.010	<t< td=""><td>0.005</td><td></td><td>0.415</td><td><t< td=""><td>0.005</td><td>D</td><td>0.034</td><td></td><td>***</td></t<></td></t<>	0.005		0.415	<t< td=""><td>0.005</td><td>D</td><td>0.034</td><td></td><td>***</td></t<>	0.005	D	0.034		***
SAMPLE NUMBER	NIC	KEL	ZINC		IRON		LEAD		VAN	MUIDA	ALUM	MUNI	COP	PER	ACI	DITY GRAN
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	MG/	L	MG/L		MG/L		MG/L	e	MG/	L	MG/I	ε	MG/	L	UG/	L
00031620	<	0.0002		0.018		0.044	1DT	0.004	<	0.0004		0.098	1DT	0.0073		60.00
00031622		0.0003	1DT	0.007		0.019	1DT	0.003	<	0.0004		0.030	1DT	0.0014		71.90
00031623		0.0002	<	0.012	D	0.062	<	0.012	<	0.0004		0.102		0.0038		31.40
00031624		***		***		****		***		***		****		***		107.00
00031625	<	0.0004	<	0.003	1DT	0.005	<	0.003	<	0.0004	UG	0.114	1DT	0.0018		20.20
00031626	D	0.0005	1DT	0.003	D	0.020	<	0.002	<	0.0004		0.028		0.0008		36.30
00031627		0.0004	1DT	0.001	1DT	0.022	1DT	0.002	<	0.0004	1DT	0.016	<	0.0003		38.40
00031628		0.0005	<	0.001		0.043	1DT	0.001	<	0.0004	1DT	0.030	1DT	0.0004		25.10
00031629	<	0.0002		0.006		0.012		0.016	<	0.0004	1DT	0.012		0.0005		36.30
00031630	D	0.0003	1DT	0.004		0.011		0.012	<	0.0004	1DT	0.008	1DT	0.0004		32.10
00031631	<	0.0002	<	0.002		0.005		0.009	<	0.0004	<	0.008	<	0.0003		38.10
00031632	<	0.0002	1DT	0.003		0.011	В	0.125	<	0.0004	1DT	0.013	1DT	0.0006		62.30
00031633		****		****		****		****		****		****		****		72.60

CUMULATIVE SAMPLING ANALYSIS RESULTS

------ REGION=NW STATION=E.L.A. MIC TYPE A SITE NO.1 ------

SAMPLE NUMBER	SUBMISSIO NUMBER	N LIS SAMPLE TYPE	PROJECT CODE	SUB PROJEC' CODE	r		MPLE MOVAL TE		DAT		SAMPLE END HR	SAMPLE START HR	PREC. TYPE	PREC. AT EXP	PREC. AT REM.		GAUGE DEPTH (MM)	EFFICIENC %
00013220	AP02104	PR	02	01	JAN	1,	1987	DEC	2,	1986	1900	0930	2			2	15.8	31.38
00013221	AP02135	PR	02	01	JAN	27,	1987	JAN	11,	1987	1000	1900	2		1	2	8.2	26.29
00013223	AP02173	PR	02	01	FEB	25,	1987	JAN	27,	1987	0930	1000	2	1	1	2	21.1	51.67
00013224	AP02190	PR	02	01	MAR	24,	1987	FEB	25,	1987	0940	0930	3	1		2	28.6	59.98
00013225	AP02226	PR	02	01	APR	21,	1987	MAR	24,	1987	1055	0940	3			2	3.6	21.39
00013226	AP02243	PR	02	01	MAY	19,	1987	APR	21,	1987	0905	1055	1			2	16.2	85.75
00013227	AP02251	PR	02	01	JUN	16,	1987	MAY	19,	1987	0953	0905	1			2	126.0	86.09
00013228	AP02295	PR	02	01	JUL	14,	1987	JUN	16,	1987	1912	0953	1		1	3	34.0	102.82
00013229	AP02309	PR	02	01	AUG	12,	1987	JUL	14,	1987	0933	1912	1			3	100.0	84.79
00013230	AP02330	PR	02	01	SEP	8,	1987	AUG	12,	1987	0930	0933	1			2	30.0	87.57
00013231	AP02374	PR	02	01	OCT	6,	1987	SEP	8,	1987	0910	0930	1			2	28.3	79.45
00013232	AP02394	PR	02	01	NOV	3,	1987	OCT	6,	1987	0930	0910	3			2	20.2	72.43
00013233	AP02412	PR	02	01	DEC	3,	1987	NOV	3,	1987	0850	0930	3			2	25.8	69.96
00013234	AP02439	PR	02	01	DEC	29,	1987	DEC	3,	1987	0900	0900	2			2	15.0	31.21
SAMPLE	FIELD (OFFICE	VOLUME	(CONDUC	T	3	LAB.P	H		ACIDITY	Y.TFE	SULFA	TE	NIT	RATE	CALCI	UM
NUMBER	COMMENTS (COMMENTS																
			ML	t	JMHO/C	М							MG/L		MG/	L,	MG/L	
00013220		NZ	161	E.	9	10.3	30		4.1		***	* *		0.95		0.3	34	0.28
00013221		NZ	70)		7.7	77		5.1	80	***	* *		0.50		0.2	24	0.28
00013223			354	l		32.0	00		4	21	***			2.40		0.5	92	0.28
00013224		C	557	7		20.0	00		4 . :		* * *	* *		2.40		0.8	37	0.14
00013225		N	25	i	В	80.2	24	IS	1.1	***	***	* *	В	8.90	UG	1.3	36 !IS	****
00013226	QF		451			10.2	26		6.3	38	***	* *		1.40		0.3	30	0.64
00013227		C	3522	2		7.1	15		5.	13	***	* *		0.60		0.1	12 <t< td=""><td>0.06</td></t<>	0.06
00013228		C	1135	i		5.5	50		5.	77	***	**		0.60		0.1	17	0.14
0013229	CD		2753	V		6.0	00		6.3	16	* * *	**		0.90		0.3	53	0.24
0013230		H	853	K.		8.0	00		5.3	23	***	**		0.85		0.2	26	0.20
0013231			730)		7.5	50		5.	77	***	k st		1.20		0.2	23	0.28
0013232		H	475	i		7.0	00		6.0	01	***	k *		1.25		0.3	30	0.30
0013233	В	Z	586	i		14.0	00		4.	72	* * *	k *		1.75		0.4	17	0.20
0013234		NHZ	152	1		22.5	50		4.5	50	***	k de		1.70		0.4	17 D	0.42

ONTARIO MINISTRY OF THE ENVIRONMENT APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY DATA LISTING

CUMULATIVE SAMPLING ANALYSIS RESULTS

	m. m. m. m				REGI	ON=NW STA	TION=E	.L.A. MIC	TYPE	A SITE NO	.1					
SAMPLE NUMBER	CH	LORIDE	KJEI	DAHL	MAGN	ESIUM	POTA	SSIUM	SOD	IUM	AMMO	MUINC	PHO	SPHOR	MANG	ANESE
	MG,	'L	MG/I	i	MG/L	į.	MG/L		MG/	L	MG/I		MG/	L	MG/L	
00013220		0.24	!15	****		0.050	<t< th=""><th>0.020</th><th></th><th>0.165</th><th></th><th>0.190</th><th>! 1;</th><th>s ****</th><th></th><th>0.007</th></t<>	0.020		0.165		0.190	! 1;	s ****		0.007
00013221		0.33	! I S	****		0.040	< T	0.005		0.245	<w< td=""><td>0.005</td><td>! 1:</td><td>S ****</td><td></td><td>****</td></w<>	0.005	! 1:	S ****		****
00013223		0.24		0.480		0.040	<t< td=""><td>0.015</td><td></td><td>0.105</td><td></td><td>0.410</td><td>D</td><td>0.015</td><td></td><td>0.003</td></t<>	0.015		0.105		0.410	D	0.015		0.003
00013224		0.15		0.810	< T	0.015	<t< td=""><td>0.010</td><td></td><td>0.060</td><td></td><td>0.670</td><td><t< td=""><td>0.006</td><td></td><td>0.002</td></t<></td></t<>	0.010		0.060		0.670	<t< td=""><td>0.006</td><td></td><td>0.002</td></t<>	0.006		0.002
00013225	В	3.55	!15	****	IIS	****	!IS	* * * *	!IS	****	115	***	11:	S ****		***
00013226		0.14		0.570		0.100		0.055		0.120		0.330		0.021		0.008
00013227	< 7	0.03		0.180	<t< td=""><td>0.005</td><td></td><td>0.035</td><td></td><td>0.030</td><td></td><td>0.160</td><td><w< td=""><td>0.002</td><td></td><td>0.001</td></w<></td></t<>	0.005		0.035		0.030		0.160	<w< td=""><td>0.002</td><td></td><td>0.001</td></w<>	0.002		0.001
.00013228	< 1	0.01		0.260		0.035	<t< td=""><td>0.015</td><td><t< td=""><td>0.010</td><td></td><td>0.200</td><td><t< td=""><td>0.004</td><td>D</td><td>0.004</td></t<></td></t<></td></t<>	0.015	<t< td=""><td>0.010</td><td></td><td>0.200</td><td><t< td=""><td>0.004</td><td>D</td><td>0.004</td></t<></td></t<>	0.010		0.200	<t< td=""><td>0.004</td><td>D</td><td>0.004</td></t<>	0.004	D	0.004
00013229	<	0.01		0.380		0.050		0.055	<t< td=""><td>0.010</td><td></td><td>0.300</td><td></td><td>0.012</td><td></td><td>0.005</td></t<>	0.010		0.300		0.012		0.005
00013230		0.06		0.330		0.030		0.030	<t< td=""><td>0.015</td><td></td><td>0.295</td><td><t< td=""><td>0.003</td><td></td><td>0.002</td></t<></td></t<>	0.015		0.295	<t< td=""><td>0.003</td><td></td><td>0.002</td></t<>	0.003		0.002
00013231		0.10		0.420		0.055		0.045		0.080		0.280	<t< td=""><td>0.009</td><td></td><td>0.005</td></t<>	0.009		0.005
00013232		0.18		0.500		0.065	< T	0.020		0.095		0.345		0.011		0.005
00013233		0.30		0.580	<t< td=""><td>0.015</td><td>D</td><td>0.045</td><td>D</td><td>0.285</td><td></td><td>0.455</td><td>В</td><td>0.075</td><td></td><td>0.001</td></t<>	0.015	D	0.045	D	0.285		0.455	В	0.075		0.001
00013234		0.28		0.350	D	0.080	<t< td=""><td>0.010</td><td></td><td>0.350</td><td>D</td><td>0.155</td><td></td><td>0.019</td><td></td><td>****</td></t<>	0.010		0.350	D	0.155		0.019		****
SAMPLE NUMBER	NIC	KEL	ZINC		IRON		LEAD		VAN	ADIUM	ALUM	MUNIN	COPI	PER	ACID	ITY GRAN
	MG/	L	MG/I		MG/L		MG/L		MG/	L	MG/I		MG/I	L	UG/I	
00013220	<	0.0002	1DT	0.011	UG	0.091	1DT	0.005	<	0.0004		0.104		0.0014		31.40
00013221		***		****		****		****		****		***		****		30.30
00013223		0.0004	1DT	0.006		0.026	1DT	0.003	<	0.0004	1DT	0.024	1DT	0.0011		90.90
00013224		0.0004	1DT	0.007		0.018	1DT	0.003	<	0.0004	1DT	0.056		0.0014		80.30
00013225		***		***		***		***		***		***		***	!IS	****
00013226	<	0.0004	<	0.003	1DT	0.008	<	0.003	<	0.0004	1DT	0.017	1DT	0.0010		20.90
00013227	<	0.0002	1DT	0.001		0.004	<	0.001	<	0.0004		0.009	1DT	0.0002		23.10
00013228		0.0004	<	0.002		0.014	D	0.004	<	0.0004	1DT	0.017	<	0.0004		22.00
00013229		0.0004	1DT	0.003	1DT	0.019		0.002	<	0.0004	1DT	0.021	<	0.0003		19.00
00013230		0.0002	1DT	0.003		0.014		0.011	<	0.0004		0.016		0.0007		26.00
00013231		0.0002	1DT	0.003		0.025		0.015	<	0.0004		0.023	<	0.0005		24.40
00013232	<	0.0002	<	0.003		0.024		0.005	<	0.0004		0.017	<	0.0006		23.60
00013233		0.0002	1DT	0.002		0.016		0.016	<	0.0004	1DT	0.018	<	0.0005		47.80
00013234		****		***		***		***		***		***		***		62.60

CUMULATIVE SAMPLING ANALYSIS RESULTS

------ REGION=NW STATION=EAR FALLS MIC TYPE A SITE NO.1 -------------------------SAMPLE SUBMISSION LIS PROJECT SUB SAMPLE EXPOSURE SAMPLE SAMPLE PREC. PREC. PREC. GAUGE GAUGE EFFICIENCY NUMBER NUMBER SAMPLE CODE PROJECT REMOVAL START TYPE AT AT TYPE DEPTH (MM) % CODE DATE HR EXP REM. TYPE JAN 27, 1987 DEC 30, 1986 0900 3.8 105.37 00013612 AP02135 PR 02 01 0915 FEB 24, 1987 JAN 27, 1987 58.78 0930 0900 1 16.4 00013614 AP02173 PR 02 01 2 00013615 AP02190 PR 02 MAR 24, 1987 FEB 24, 1987 0900 0930 1 29.2 54.64 APR 21, 1987 MAR 24, 1987 0900 00013616 AP02226 PR 02 01 0900 1 2 16.9 62.69 MAY 19, 1987 APR 21, 1987 1000 19.5 20.22 0900 00013617 AP02243 02 01 1 00013618 APO2251 02 JUN 16, 1987 MAY 19, 1987 0900 1000 90.0 84.63 JUL 16, 1987 JUN 16, 1987 70.0 106.30 00013619 AP02295 PR 02 01 1000 0900 AUG 11, 1987 JUL 16, 1987 57.0 77.38 00013620 AP02309 02 01 0900 1000 00013623 AP02330 PR 02 01 SEP 8, 1987 AUG 11, 1987 0900 0900 39.8 147.50 OCT 6, 1987 SEP 8, 1987 148.21 00013624 AP02374 02 01 0900 0900 11.7 00013625 AP02394 02 NOV 3, 1987 OCT 6, 1987 0900 28.9 56.91 DEC 1, 1987 NOV 3, 1987 0900 20.0 77.31 00013626 AP02412 02 01 0900 2 01 DEC 29, 1987 DEC 1, 1987 0900 0900 38.0 37.20 00013627 AP02439 02 2 2 SAMPLE FIELD OFFICE VOLUME CONDUCT LAB.PH ACIDITY.TFE SULFATE NITRATE CALCIUM NUMBER COMMENTS COMMENTS UMHO/CM MG/L MG/L MG/L 11.00 0.75 0.32 00013612 130 4.88 0.28 313 14.00 4.62 *** 1.25 0.39 0.14 00013614 518 50.00 4.35 **** 2.10 0.62 0.10 00013615 AFIJ **** 43.56 4.07 0.64 00013616 344 4.10 0.44 00013617 NH 128 24.85 5.61 **** 4.10 1.11 1.04 2473 6.57 6.45 0.65 0.12 0.14 00013618 CA C **** 2416 8.00 5.25 0.60 0.14 0.06 00013619 C CZ 00013620 1432 8.00 5.25 **** 0.95 0.21 0.18 *** 00013623 1906 5.00 5.85 0.70 0.15 0.20 5.81 **** 0.18 00013624 NHM 563 7.00 1.25 0.48 00013625 9.00 5.08 1.15 0.26 534 <T 0.08 00013626 502 9.00 4.81 **** 0.95 0.27 0.10

4.55

00013627

459

13.00

1.10

0.34

0.18

CUMULATIVE SAMPLING ANALYSIS RESULTS

----- REGION-NW STATION-EAR FALLS MIC TYPE A SITE NO.1 -----SAMPLE CHLORIDE KJELDAHL MAGNESIUM POTASSIUM SODIUM AMMONIUM PHOSPHOR MANGANESE NUMBER MG/L MG/L MG/L MG/L MG/L MG/L MG/L MG/L <T 0.005 <W 0.002 0.006 00013612 0.33 <T 0.090 0.045 <T 0.010 0.225 00013614 0.19 0.310 <T 0.025 <T 0.015 0.095 0.230 <T 0.006 0.002 0.24 0.530 <T 0.010 0.150 0.420 0.012 0.002 00013615 <T 0.020 0.018 0.009 00013616 0.48 0.220 0.065 <T 0.005 0.385 0.140 *** 00013617 D 0.33 UG 1.530 0.210 0.055 0.275 UG 1.400 0.024 0.035 0.360 0.069 0.002 00013618 <T 0.05 0.510 <T 0.010 0.070 D 00013619 0.02 0.160 <T 0.015 <T 0.025 <T 0.020 0.115 <T 0.002 0.002 0.250 0.040 0.045 0.035 0.230 0.005 0.003 00013620 0.01 0.004 0.002 00013623 0.02 0.250 0.045 0.040 0.030 0.210 <T 0.014 0.015 00013624 0.12 0.320 0.125 0.140 0.280 LG 0.065 00013625 0.19 0.430 <T 0.020 0.065 0.110 0.330 <T 0.006 0.002 0.012 00013626 0.12 0.360 < T 0.005 <T 0.010 0.045 0.240 0.001 0.160 0.020 0.005 0.135 0.045 <T 0.008 0.002 00013627 0.15 <T <T VANADIUM NICKEL ZINC IRON LEAD ALUMINUM COPPER ACIDITY GRAN SAMPLE NUMBER MG/L MG/L MG/L UG/L MG/L MG/L MG/L MG/L 00013612 0.0002 1DT 0.024 UG 0.096 1DT 0.007 < 0.0004 0.124 UG 0.0125 37.50 0.0004 1DT 0.033 1DT 0.0028 47.40 00013614 0.0005 1DT 0.006 0.028 1DT 0.003 00013615 D 0.0008 1DT 0.008 0.022 0.004 0.0004 0.043 1DT 0.0025 71.30 0.120 0.0013 00013616 0.0006 1DT 0.003 0.033 0.005 < 0.0004 116.00 *** **** *** **** *** **** **** 27.40 00013617 00013618 < 0.0002 1DT 0.001 0.006 0.001 < 0.0004 0.012 0.0005 21.10 1DT 0.008 0.002 0.0004 < 0.0003 23.20 00013619 0.0004 < 0.001 1DT 0.011 00013620 D 0.0007 1DT 0.002 0.023 1DT 0.002 0.0004 1DT 0.021 1DT 0.0002 25.00 00013623 0.0002 1DT 0.002 0.011 1DT 0.002 < 0.0004 1DT 0.015 1DT 0.0005 22.00 0.0002 0.015 0.033 0.026 0.0004 B 0.063 1DT 0.0004 31.00 00013624 < 0.003 0.011 0.035 0.0004 1DT 0.013 1DT 0.0005 34.20 00013625 < 0.0002 1DT 0.005 0.003 1DT 0.038 0.0004 1DT 0.014 1DT 0.0006 38.80 00013626 < 0.0002

0.007

0.0004

1DT 0.018

0.0020

50.60

00013627

0.0007

1DT 0.007

0.017

SAMPLE	SUBMISSION NUMBER	N LIS SAMPLE	PROJECT	SUB PROJE	CTP.		MPLE MOVAL		EXP(SAMPLE END	SAMPLE	PREC. TYPE	PREC.	PREC.		GAUGE DEPTH (MM)	EFFICIENCY
NUMBER	NOMBER	TYPE	CODE	CODE	CI	DA			DAT	ь	HR	HR	1111	EXP	REM.	TIFE	DEF IN (Pari)	
00013360	AP02135	PR	02	01	JAN	27,	1987	DEC	30,	1986	1630	1630	2		1	2	5.5	29.68
00013362	AP02173	PR	02	01	FEB	24,	1987	JAN	27,	1987	1540	1630	2			2	19.2	45.08
00013364	AP02190	PR	02	01	MAR	23,	1987	FEB	24,	1987	1940	1540	3			2	13.2	35.70
00013366	AP02226	PR	02	01	APR	21,	1987	MAR	23,	1987	1845	1940	1			2	14.2	46.85
00013368	AP02243	PR	02	01	MAY	19,	1987	APR	21,	1987	1300	1845	1			9	19.4	54.14
00013370	AP02251	PR	02	01	JUN	15,	1987	MAY	19,	1987	1522	1306	1			2	64.0	78.64
0013373	AP02295	PR	02	01	JUL	14,	1987	JUN	16,	1987	1340	1351	1	1	1	3	62.0	99.16
0013375	AP02309	PR	02	01	AUG	11,	1987	JUL :	14,	1987	1600	1600	1			3	75.0	52.85
0013377	AP02330	PR	02	01	SEP	8,	1987	AUG	11,	1987	1220	1600	1			9	76.8	89.87
0013379	AP02374	PR	02	01	OCT	6,	1987	SEP	8,	1987	1235	1220	1			3	120.0	65.01
0013381	AP02394	PR	02	01	NOV	3,	1987	OCT	6,	1987	1203	1235	1			2	25.7	85.69
0013383	AP02412	PR	02	01	DEC	1,	1987	NOV	3,	1987	1440	1203	3		1	2	23.9	47.17
00013385	AP02439	PR	02	01	DEC	29,	1987	DEC	1,	1987	1650	1440	2			2	58.0	32.50
SAMPLE NUMBER	FIELD C	OFFICE	VOLUME		CONDUC	T	1	LAB.P	Н		ACIDITY	.TFE	SULFA	TE	NIT	RATE	CALCI	MU
			ML		UMHO/C	M							MG/L		MG/	L	MG/L	
00013360		N	53	į.	20	.00		4	.52		***	*		1.55		0.41		0.26
00013362		N	281		11	.00		4	.77		* * *	*		0.65		0.35		0.26
00013364		NC	153	į.	35	.00		4.	.68		* * *	*		1.15		0.29		0.16
0013366	P		216		32	.10		4.	.29		***	*		3.95		0.55		0.60
00013368	AQ		341		17	.29		6.	.57		* * *	*	UG	2.80		0.54	UG	1.10
00013370	ACI		1634		10	.73		4.	.72		***	*		1.00		0.16		0.10
00013373		C	1996		8	.50		5.	.11		***	*		0.70		0.17	<t< td=""><td>0.06</td></t<>	0.06
00013375	C	TIM	1287		10	.50		4.	.79		***	*		1.05		0.22		0.28
0013377			2241		8	.00		4.	. 95		***			0.95		0.15		0.14
0013379	G	HM	2533		4	.50		5.	.28		***	*		0.70		0.13		0.12
0013381			715		12	.00		4.	.61		***	*		1.55		0.16	<t< td=""><td>0.08</td></t<>	0.08
0013383	G		366	V	10	.00		4.	.69		***			1.05		0.25	<t< td=""><td>0.10</td></t<>	0.10
0013385		N	612		22	.00			.27		* * *	*		1.05		0.60		0.10

CUMULATIVE SAMPLING ANALYSIS RESULTS

----- REGION-NW STATION-GERALDTON MIC TYPE A SITE NO. 1 -----

SAMPLE	CHLC	DRIDE	KJELD	AHL	MAGNE	SIUM	POTAS	SIUM	SODI	UM	AMMON	MUII	PHOS	PHOR	MANGA	NESE
NUMBER	MG/I	i e	MG/L		MG/L		MG/L		MG/L		MG/L		MG/L		MG/L	
00013360	UG	0.83	!IS	****		0.035	<₩	0.005	UG	0.680	<w< td=""><td>0.005</td><td>!IS</td><td>****</td><td></td><td>****</td></w<>	0.005	!IS	****		****
00013362		0.21		0.200		0.035	<t< td=""><td>0.010</td><td></td><td>0.135</td><td></td><td>0.050</td><td>< T</td><td>0.009</td><td></td><td>0.003</td></t<>	0.010		0.135		0.050	< T	0.009		0.003
00013364		0.31		0.260		0.025	<w< td=""><td>0.005</td><td></td><td>0.230</td><td></td><td>0.070</td><td></td><td>0.020</td><td></td><td>0.002</td></w<>	0.005		0.230		0.070		0.020		0.002
00013366		0.25		0.690		0.055	<t< td=""><td>0.015</td><td></td><td>0.265</td><td></td><td>0.420</td><td></td><td>0.023</td><td></td><td>0.006</td></t<>	0.015		0.265		0.420		0.023		0.006
00013368		0.13		0.880	UG	0.205		0.175		0.115		0.610		0.025	UG	0.013
00013370		0.07		0.230	< T	0.010		0.035	< T	0.020		0.155	<w< td=""><td>0.002</td><td></td><td>0.002</td></w<>	0.002		0.002
00013373	<w< td=""><td>0.01</td><td></td><td>0.200</td><td><t< td=""><td>0.010</td><td></td><td>0.025</td><td></td><td>0.035</td><td></td><td>0.180</td><td><w< td=""><td>0.002</td><td><</td><td>0.001</td></w<></td></t<></td></w<>	0.01		0.200	<t< td=""><td>0.010</td><td></td><td>0.025</td><td></td><td>0.035</td><td></td><td>0.180</td><td><w< td=""><td>0.002</td><td><</td><td>0.001</td></w<></td></t<>	0.010		0.025		0.035		0.180	<w< td=""><td>0.002</td><td><</td><td>0.001</td></w<>	0.002	<	0.001
00013375	<w< td=""><td>0.01</td><td></td><td>0.250</td><td></td><td>0.040</td><td></td><td>0.030</td><td><t< td=""><td>0.025</td><td></td><td>0.135</td><td><t< td=""><td>0.007</td><td></td><td>0.004</td></t<></td></t<></td></w<>	0.01		0.250		0.040		0.030	<t< td=""><td>0.025</td><td></td><td>0.135</td><td><t< td=""><td>0.007</td><td></td><td>0.004</td></t<></td></t<>	0.025		0.135	<t< td=""><td>0.007</td><td></td><td>0.004</td></t<>	0.007		0.004
00013377		0.07		0.160	<t< td=""><td>0.020</td><td><t< td=""><td>0.020</td><td><t< td=""><td>0.010</td><td></td><td>0.155</td><td><w< td=""><td>0.002</td><td></td><td>0.001</td></w<></td></t<></td></t<></td></t<>	0.020	<t< td=""><td>0.020</td><td><t< td=""><td>0.010</td><td></td><td>0.155</td><td><w< td=""><td>0.002</td><td></td><td>0.001</td></w<></td></t<></td></t<>	0.020	<t< td=""><td>0.010</td><td></td><td>0.155</td><td><w< td=""><td>0.002</td><td></td><td>0.001</td></w<></td></t<>	0.010		0.155	<w< td=""><td>0.002</td><td></td><td>0.001</td></w<>	0.002		0.001
00013379	<t< td=""><td>0.01</td><td></td><td>0.180</td><td><t< td=""><td>0.025</td><td></td><td>0.025</td><td></td><td>0.025</td><td></td><td>0.245</td><td><t< td=""><td>0.004</td><td></td><td>0.001</td></t<></td></t<></td></t<>	0.01		0.180	<t< td=""><td>0.025</td><td></td><td>0.025</td><td></td><td>0.025</td><td></td><td>0.245</td><td><t< td=""><td>0.004</td><td></td><td>0.001</td></t<></td></t<>	0.025		0.025		0.025		0.245	<t< td=""><td>0.004</td><td></td><td>0.001</td></t<>	0.004		0.001
00013381		0.12		0.220	< T	0.015	<t< td=""><td>0.020</td><td></td><td>0.095</td><td></td><td>0.100</td><td><t< td=""><td>0.009</td><td><</td><td>0.001</td></t<></td></t<>	0.020		0.095		0.100	<t< td=""><td>0.009</td><td><</td><td>0.001</td></t<>	0.009	<	0.001
00013383		0.16		0.250	<₩	0.005	<w< td=""><td>0.005</td><td></td><td>0.075</td><td></td><td>0.180</td><td></td><td>0.012</td><td><</td><td>0.001</td></w<>	0.005		0.075		0.180		0.012	<	0.001
00013385		0.09		0.110	<t< td=""><td>0.010</td><td><w< td=""><td>0.005</td><td></td><td>0.065</td><td><t< td=""><td>0.010</td><td><t< td=""><td>0.006</td><td><</td><td>0.001</td></t<></td></t<></td></w<></td></t<>	0.010	<w< td=""><td>0.005</td><td></td><td>0.065</td><td><t< td=""><td>0.010</td><td><t< td=""><td>0.006</td><td><</td><td>0.001</td></t<></td></t<></td></w<>	0.005		0.065	<t< td=""><td>0.010</td><td><t< td=""><td>0.006</td><td><</td><td>0.001</td></t<></td></t<>	0.010	<t< td=""><td>0.006</td><td><</td><td>0.001</td></t<>	0.006	<	0.001
SAMPLE	NICK	EL	ZINC		IRON		LEAD		VANA	DIUM	ALUMI	NUM	COPPI	ER	ACIDI	TY GRAN
***************************************	MG/L	i	MG/L		MG/L		MG/L		MG/L		MG/L		MG/L		UG/L	
00013360		***		****		****		****		****		****		****		63.10
00013362	<	0.0002	1DT	0.006		0.022	<	0.005	<	0.0004	1DT	0.017	1DT	0.0008		39.50
00013364	<	0.0002	<	0.008		0.038	<	0.008	<	0.0004	1DT	0.076	1DT	0.0017		44.40
00013366		0.0004	1DT	0.004		0.027		0.007		0.0005		0.100	1DT	0.0030		79.00
00013368		0.0008	1DT	0.007	1DT	0.039	<	0.004	<	0.0004	UG	0.140		0.0019		21.20
00013370	<	0.0002	1DT	0.001	1DT	0.008	<	0.002	<	0.0004		0.018	1DT	0.0006		35.40
00013373		0.0003	<	0.002	1DT	0.007	1DT	0.002	<	0.0004	1DT	0.010	<	0.0003		28.50
00013375		0.0005	1DT	0.001		0.021		0.007	<	0.0004	1DT	0.024	1DT	0.0018		38.40
00013377	<	0.0002	1DT	0.002		0.015	<	0.001	<	0.0004	1DT	0.011		0.0010		31.40
00013379		0.0002	<	0.001		0.011	1DT	0.002	<	0.0004	1DT	0.007	1DT	0.0004		24.90
00013381	<	0.0002	<	0.002		0.009		0.016		0.0004	1DT	0.011	<	0.0005	UG	54.80
00013383	<	0.0002	<	0.004	1DT	0.007	UG	0.048	<	0.0004	1DT	0.019	<	0.0007		43.10
00013385		0.0009	<	0.003		0.020		0.009	<	0.0004	1DT	0.016	<	0.0005		82.60

SAMPLE	SUBMISSIO	N LIS	PROJECT	SUB		SA	MPLE		EXP	OSURE	SAMPLE	SAMPLE	PREC.	PREC.	PREC.	GAUGE	GAUGE	EFFICIENC
NUMBER	NUMBER	SAMPLE	CODE	PROJEC	T	RE	MOVAL		DAT	E	END	START	TYPE	AT	AT	TYPE	DEPTH (MM)	8
		TYPE		CODE		DA	TE				HR	HR		EXP	REM.			
00095099	AP02135	PR	02	01	JAN	27,	1987	DEC	30,	1986	0800	0800	2			2	2.0	261.80
00095100	AP02173	PR	02	01	FEB	27,	1987	JAN	27,	1987	1530	0800	3	1		2	23.0	60.13
00095102	AP02190	PR	02	01	MAR	24,	1987	FEB	27,	1987	1430	1530	1			2	18.0	79.40
00095103	AP02226	PR	02	01	APR	21,	1987	MAR	24,	1987	0800	1430	1			2	8.2	62.35
00095104	AP02295	PR	02	01	MAY	19,	1987	APR	21,	1987	0800	0800	1			3	15.2	191.49
00095105	AP02295	PR	02	01	JUN	16,	1987	MAY	19,	1987	0900	0800	1			3	123.0	67.43
00095106	AP02295	PR	02	01	JUL	14,	1987	JUN	16,	1987	0800	0900	1			3	46.0	90.86
00095107	AP02330	PR	02	01	AUG	11,	1987	JUL	14,	1987	0800	0800	1			9	156.9	51.22
00095108	AP02330	PR	02	01	SEI	8,	1987	AUG	11,	1987	0800	0800	1			9	120.3	51.41
00095109	AP02412	PR	02	01	OC!	6,	1987	SEI	8,	1987	1000	0800	3			9	45.4	101.69
00095110	AP02412	PR	02	01	NOV	13,	1987	OC'	6,	1987	0800	1000	3	1		2	14.4	83.42
00095111	APO2475	PR	02	01	DEC	10,	1987	NOV	13,	1987	0800	0800	2			2	15.1	79.96
00095112	AP02475	PR	02	01	DEC	29,	1987	DEC	10,	1987	0800	0800	2			2	7.4	8.32
SAMPLE	FIELD	OFFICE	VOLUME		CONDUC	T		LAB.	H		ACIDITY	TFE.	SULFA	TE	NIT	RATE	CALCI	UM
NUMBER	COMMENTS	COMMENTS																
			ML		UMHO/0	M							MG/L		MG/	L	MG/L	
00095099	P		170)	7.	67			4.	96	***	*	0.	45	LG	0.1	6	0.12
00095100		Z	449		23.	00			4.	34	***	ERC	1.	65		0.5	7 <t< td=""><td>0.10</td></t<>	0.10
00095102		CZ	464		22.	00			4.	09	***	*	3.	90		0.59	9	0.14
00095103	С	HC	166	i	24.	65	1	D	4.	89	***	**	3.	35		0.52	2	0.66
00095104		N	945	è	9.	50			5.	69	***	*	1.	30		0.37	7	0.30
00095105			2693		8.	00			5.	22	***	*	0.	95		0.23	3	0.14
00095106		H	1357		7.	00			5.	18	***	*	0.	70		0.20	3	0.14
00095107		H	2609	i.	8.	50			5.	62	***	*	1.	30		0.22	2	0.22
00095108		H	2008		7.	50			5.	11	***	*	0.	95		0.22	2	0.22
00095109			1499	i	7.	00			4.	86	***	*	0.	80	LG	0.08		0.08
00095110	CQ		390		7.	00			6.	15	***	*	1.			0.30		0.66
00095111		Z	392		24.	00			4.		***	*	2.			0.55		0.38
00095112	G	XZ	20			***	k.		10	***	***	*	3	***		* 1	***	****

				MALISIS RESUL	.15		
CAMPLE	KJELDAHL	REGION=NW STATIO	N=LAC LA CROI	X MIC TYPP a c	TAR NO. 1		
NUMBER CHLORIDE	KJELDAHL MG/L	MAGNESIUM MG/L	POTASSIUM	SODIUM	AMMONIUM	PHOSPHOR	MANGANESE
00095099 0.2	0.100	Resource To Com Is	MG/L	MG/L	MG/L	MG/L	
00095100 0.1 00095102 0.2 00095103 0.3 00095104 0.1: 00095105 D 0.19 00095106 W 0.01 00095107 0.14 00095108 0.06 00095109 <t ***<="" 0.02="" 0.16="" 0.23="" 00095110="" 00095111="" 00095112="" td=""><td>0.360 0.470 !IS **** 0.640 0.350 0.290 0.470 0.290 0.110 0.230 0.550</td><td>0.030 <t 0.010<br="">0.135 0.040 ****</t></td><td><pre><w 0.005="" 0.020<="" <t="" <w="" td=""><td>0.190 0.085 0.095 0.345 0.055 0.050 0.030 D 0.080 0.035 <t 0.020<br="">UG 0.220 0.110</t></td><td><t 0.005<br="">0.265 0.320 0.510 0.455 0.310 0.215 0.390 0.240 LG 0.065 LG 0.040 0.370</t></td><td><w !is="" ****="" 0.002="" 0.003="" 0.004="" 0.006="" 0.007="" 0.010="" 0.011="" 0.011<="" <t="" <w="" td=""><td>MG/L 0.001 0.003 0.010 0.008 0.002 0.002 0.005 0.003 < 0.001 0.006 0.003</td></w></td></w></pre></td></t>	0.360 0.470 !IS **** 0.640 0.350 0.290 0.470 0.290 0.110 0.230 0.550	0.030 <t 0.010<br="">0.135 0.040 ****</t>	<pre><w 0.005="" 0.020<="" <t="" <w="" td=""><td>0.190 0.085 0.095 0.345 0.055 0.050 0.030 D 0.080 0.035 <t 0.020<br="">UG 0.220 0.110</t></td><td><t 0.005<br="">0.265 0.320 0.510 0.455 0.310 0.215 0.390 0.240 LG 0.065 LG 0.040 0.370</t></td><td><w !is="" ****="" 0.002="" 0.003="" 0.004="" 0.006="" 0.007="" 0.010="" 0.011="" 0.011<="" <t="" <w="" td=""><td>MG/L 0.001 0.003 0.010 0.008 0.002 0.002 0.005 0.003 < 0.001 0.006 0.003</td></w></td></w></pre>	0.190 0.085 0.095 0.345 0.055 0.050 0.030 D 0.080 0.035 <t 0.020<br="">UG 0.220 0.110</t>	<t 0.005<br="">0.265 0.320 0.510 0.455 0.310 0.215 0.390 0.240 LG 0.065 LG 0.040 0.370</t>	<w !is="" ****="" 0.002="" 0.003="" 0.004="" 0.006="" 0.007="" 0.010="" 0.011="" 0.011<="" <t="" <w="" td=""><td>MG/L 0.001 0.003 0.010 0.008 0.002 0.002 0.005 0.003 < 0.001 0.006 0.003</td></w>	MG/L 0.001 0.003 0.010 0.008 0.002 0.002 0.005 0.003 < 0.001 0.006 0.003
MG/L	MG/L	MC /T	MC / T	VANADIUM	ALUMINUM	COPPER ****	ACIDITY GRA
0095099 0.0002 0095100 0.0002 0095102 0.0002 0095103 0.0004 0095104 D.0030 0095105 0.0003 0095106 0.0003 095107 0.0005 095108 D.0005 095109 0.0002 09511 0.0002 09511 0.0002 095112 *****	1DT 0.011 1DT 0.004 < 0.003 1DT 0.009 < 0.002 < 0.002 B 0.022 D 0.013 < 0.002 < 0.004 < 0.004	0.021	0.007 DT 0.002 0.003 0.009 0.002 DT 0.002 DT 0.002 0.027 0.005 DT 0.018 0.016	MG/L < 0.0004 < 0.0004 < 0.0004 < 0.0005 D 0.0005 D 0.0005 < 0.0004 < 0.0004 < 0.0004 < 0.0004 < 0.0004 < 0.0004	0.073 1DT 0.024 0.081 UG 0.150 1DT 0.028 1DT 0.013 1DT 0.015 1DT 0.028 1DT 0.027 < 0.008 0.039 1DT 0.022	MG/L < 0.0014 1DT 0.0008	32.10 74.20 112.00 39.70 22.00 24.90 28.90 24.60 29.20 36.40 19.70 67.30

			CITAGOR	44.4.3	LING.	NTARIO STUL RESULTS	
		 RECTON-NII		OTHER DING	ANALYSIS	RESULTS	
SAMPLE	SUBMISSION LIS	 WIGIONENW	STATION=OT	TTER ISLANI	D MIC TY	PE A STER	~

										DISIS	RESUL	TS.					
SAMPLE NUMBER	SUBMISS NUMBER	ION LIS SAMPLE TYPE	CODE	PROJEC		SAMPI REMOV		ER ISI EXPO	AND	MIC TYP	E A SI	TE NO.1					
00031026 00031027	AP02251	PR PR	02	ODE 01	MAY 1	DATE 9, 198	77 Ann			SAMPLE END HR	START HR	TYPE	PREC. AT EXP	PREC. AT REM.	GAUGE TYPE	GAUGE DEPTH (MM)	EFFICIENCY
00031028 00031029 00031030 00031031 00031032 SAMPLE NUMBER	AP02295 AP02295 AP02330 AP02394 AP02394	PR PR PR PR PR	02 02 02 02 02 02 02 VOLUME		JUL 1	1, 198 , 198 , 198 , 198 , 198	7 JUN 7 JUL 7 AUG	19, 1 16, 1 14, 1 11, 19 8, 19 6, 19	987 987 987 987 987 987	0900 0900 0900 0900	1400 0900 0900 0900 0900 0900 0900 TFE	1 1 1 1 3 3 SULFATE		NITRA	2 2 9 1 9 9	31.0 59.0 74.1 131.0 72.6 64.7 37.1 CALCIUM	16.10 96.26 83.55 29.48 110.98 39.70 83.43
00031027 00031028 00031029 00031030 00031031 00031032	CDG DP PCD ACP PC	инм нм	162 1844 2010 1254 2616 834 1005	LG	11. 28. 13.0 21.0 7.0 21.0	10 00 00 00		5.94 4.24 4.70 4.64 4.53 5.13 4.56		****	1	1.65 3.15 1.55 2.20 2.50 1.30 2.55		0.	19	MG/L D	0.42 0.26 0.18 0.30 0.38

ONTARIO MINISTRY OF THE ENVIRONMENT APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY DATA LISTING

				R	EGION	=NW STATI	ON=OTTE	R ISLAND	MIC T	YPE A SIT	E NO.1					
SAMPLE NUMBER	CHI	ORIDE	KJEL	DAHL	MAG	NESTUM	POTA	SSIUM	SOD	IUM	AMMO	MUIN	РНО	SPHOR	MANG	ANESE
	MG/	L	MG/L		MG/	L	MG/L		MG/	L	MG/L		MG/	L	MG/L	
00031026 00031027 00031028 00031029 00031030 00031031 00031032 SAMPLE NUMBER	T T D NICE	0.02 0.09 0.09 0.07 0.06 0.09	IIS ZINC MG/L	0.360 0.340 0.430 0.380 0.250 0.490	IRON		<t LEAD</t 	0.105 0.045 0.010 0.025 0.025 0.045 0.035		0.060 0.040 0.030 0.030 0.010 0.060 0.035	ALUM]	0.540 0.530 0.340 0.420 0.380 0.170 0.435	!IS <w <t="" copp<="" td=""><td>0.002 0.002 0.003 0.003 0.004 0.005</td><td>< D</td><td>0.014 0.002 0.001 0.006 0.003 0.008 0.004</td></w>	0.002 0.002 0.003 0.003 0.004 0.005	< D	0.014 0.002 0.001 0.006 0.003 0.008 0.004
00031026 00031027 00031028 00031029 00031030 00031031 00031032	<	0.0002 0.0002 0.0005 0.0005 0.0002 0.0002	1DT 1DT < < <	0.015 0.002 0.001 0.002 0.002 0.002 0.013	UG	0.146 0.009 0.011 0.020 0.017 0.021 0.019	MG/L 1DT D 1DT 1DT 1DT 1DT	0.004 0.003 0.002 0.005 0.002 0.007	MG/L D < < < < < < < < < < < < < < < < < <	0.0006 0.0004 0.0004 0.0004 0.0004 0.0004	MG/L UG 1DT 1DT	0.180 0.016 0.009 0.024 0.016 0.014	MG/I	0.0038 0.0010 0.0003 0.0004 0.0005 0.0018 0.0031	LG LG	20.60 72.80 44.10 47.70 54.40 33.00 57.30

	NUMBER	CAMDIT		SUB		-32	MPLE		LXI	OSURE	SAMPLE	SAMPLE	PREC.	PREC.	PREC.	GAUGE	GAUGE	EFFICIENCY
00013853 00013854			CODE	PROJEC'	T	RE	MOVAL		DAT		END	START	TYPE	AT	AT		DEPTH (MM)	
		TYPE		CODE		DA	TE				HR	HR	3.50	EXP	REM.			50
00012854	AP02135	PR	02	01	JAN	27,	1987	DEC	30,	1986	1330	1030	2			2	18.7	24.87
COCTOON	AP02173	PR	0.2	01	FEB	24,	1987	JAN	27,	1987	1500	1330	2	1		2	20.9	6.34
00013855	AP02190	PR	02	01	MAR	25,	1987	FEB	24,	1987	1500	1500	2	-	1	2	13.5	54.53
00013856	AP02226	PR	02	01						1987		1500	3		-	2	12.5	0.49
00013857	AP02243	PR	02	01					- 2	1987		1530	1			2	38.7	76.96
00013858	AP02251	PR	02	01						1987		1400	1			2	83.0	
00013861	AP02295	PR	02	01	JUL	14,	1987	JUN	17.	1987		1430	1			3	55.0	89.58
00013862	AP02309	PR	02	01					-01/2/570	1987	1450	1430	1			9	88.9	131.54
00013863	AP02330	PR	02	01						1987	0930	1450	1			9	92.4	78.82
00013864	AP02374	PR	02	01						1987	1430	0930	1		1	3	80.2	89.47
00013865	AP02394	PR	02	01						1987	1430	1430	3		1	2		71.20
00013866	AP02412	PR	02	01						1987	1215	1430	2		1	2	14.5	81.99
00013867	AP02439	PR	02	01						1987	1045	1215	2	1	1	2	25.3	2.19
SAMPLE	FIELD (OFFICE	VOLUME	C	ONDUC			LAB.P			ACIDITY		SULFA		NITR		33.0	49.65
NUMBER	COMMENTS (COMMENTS							1		neibili		SOLEN	1 E	NIIR	AIL	CALCI	UM
			ML	U	MHO/C	M							MG/L		MG/L		MG/L	
00013853	С	N	151		1	5.10			5.1	22	***	*		1.65		0.58		
00013854	FJ		43	1	IS			IS	. 5-470	***	***	*	!IS	****	!IS	**		0.84
00013855	FI	С	239			8.00)	100	4.	3.5	***	*		1.25	:15	0.54		
00013856	GE		2			**	**			***	***	*		****		**		0.12
00013857	AC	HM	967			9.18	3		5.5	51	***	*		1.30		0.23		
00013858	CA	HC	2414			7.15			5.2		***	*		0.65				0.42
00013861	ACQ	NC	2349			4.50			5.3		***			0.30	7.0	0.10		0.16
00013862			2275			6.00			5.4		***			0.75	LG	0.08	<t< td=""><td>0.04</td></t<>	0.04
00013863			2684			4.50			5.2		***					0.16		0.14
0013864			1854			3.00			5.7		***			0.50	т.о.	0.10	<t< td=""><td>0.06</td></t<>	0.06
0013865			386			7.50			5.0		***			0.55	LG	0.08		0.14
0013866	G		18	-11				NR		***	***			1.10	Lan	0.18		0.18
0013867		N	532			9.00			4.7		***		!NR	0.50	! NR	0.26	** !NR <t< td=""><td>0.08</td></t<>	0.08

SAMPLE	CH	LORIDE	K	JELDAHL				THE THE	MIC	YSIS RESUL	E NO.1					
NUMBER			24.4	CLUMIL	M	AGNESIUM	PC	DTASSIUM		SODIUM		MONIUM				
00013853	MG		M	G/L	Mo	S/L	MG	J/L	P	IG/L	MG			OSPHOR	M	ANGANESE
00013854 00013855 00013856 00013857 00013858 00013861 00013862	! I : <t <w< td=""><td>0.46 **** 0.05 0.05 0.01</td><td></td><td>0.360 (s **** 0.300 **** 0.370 0.250 0.090</td><td>. R</td><td>0.100</td><td>D</td><td>0.105 **** 0.045 0.035</td><td></td><td>0.400 RE **** 0.250 **** 0.065</td><td>! SN</td><td>0.110 **** 0.040 ****</td><td>:15</td><td>0.011</td><td></td><td>0.007 S ** 0.002 **</td></w<></t 	0.46 **** 0.05 0.05 0.01		0.360 (s **** 0.300 **** 0.370 0.250 0.090	. R	0.100	D	0.105 **** 0.045 0.035		0.400 RE **** 0.250 **** 0.065	! SN	0.110 **** 0.040 ****	:15	0.011		0.007 S ** 0.002 **
00013863 00013864 00013865 00013866 00013867 SAMPLE NUMBER	<w <w <t !NR</t </w </w 	0.01 0.01 0.01 0.25 ****	!NR <t ZIN</t 	0.070	<t !NR <t !ROI</t </t 	0.035 0.010 0.035 0.040 ****	<t <t <t !NR <w< td=""><td>0.030 0.025 0.015 0.020 ****</td><td><7 <7</td><td>0.010 0.015 0.035 0.035 0.165</td><td>LG !NR <t< td=""><td>0.105 0.045 0.185 0.090 0.095 0.205</td><td><t <t <t <t <t< td=""><td>0.025 0.002 0.006 0.003 0.006 0.007</td><td><</td><td>0.001 0.001 0.003 0.001 0.003 0.001</td></t<></t </t </t </t </td></t<></td></w<></t </t </t 	0.030 0.025 0.015 0.020 ****	<7 <7	0.010 0.015 0.035 0.035 0.165	LG !NR <t< td=""><td>0.105 0.045 0.185 0.090 0.095 0.205</td><td><t <t <t <t <t< td=""><td>0.025 0.002 0.006 0.003 0.006 0.007</td><td><</td><td>0.001 0.001 0.003 0.001 0.003 0.001</td></t<></t </t </t </t </td></t<>	0.105 0.045 0.185 0.090 0.095 0.205	<t <t <t <t <t< td=""><td>0.025 0.002 0.006 0.003 0.006 0.007</td><td><</td><td>0.001 0.001 0.003 0.001 0.003 0.001</td></t<></t </t </t </t 	0.025 0.002 0.006 0.003 0.006 0.007	<	0.001 0.001 0.003 0.001 0.003 0.001
001000	MG/L		MG/	L	MG/I		MG/I		VAI MG/	NADIUM L	ALUM MG/L		COPP		< ACI	0.001 DITY GRA
0013854 0013855 0013856 0013857	!IS < 0 < 0 < 0 < 0 < 0 < 0 < 0 < 0 < 0 <	0002	<	0.017 **** 0.010 **** 0.002 0.003 0.001 0.001 0.002 0.002 0.002 0.004 ****	1DT 1DT 1DT	0.071	1DT 1DT 1DT	0.009 **** 0.003 **** 0.002 0.001 0.001 0.001 0.007 0.007 0.006 ****	< < <	0.0004 **** 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004	L !IS 1DT	0.048 **** 0.046 **** 0.028 0.017 0.009 0.017 0.008 0.015 0.018	!IS 1DT 0 1DT 0 < 0. < 0. 1DT 0. 1DT 0.	0.0019 **** 0.0031 **** .0005 .0007 .0003 .0003 .0002 .0004 .0008		33.10 **** 67.50 **** 25.90 25.60 22.00 21.90 25.20 20.40 32.80 ****

				CUMULATIVE SAMPLING ANALYSIS RESULTS	
SAMPLE NUMBER	SUBMISSION	LIS	PROJECT SUB	CUMULATIVE SAMPLING ANALYSIS RESULTS NW STATION-QUETICO CENTRE MIC TYPE A SITE NO 1	

								THE TANK	SAMI	PLING	ANALVET	P Pm							
		SUBMISSION NUMBER			REG	ION=NW	Cm a c				151	S RES	ULTS	S					
SAM	PLE	SUBMISSION	2 200 B			- HH	STAT	ION=QUE	TICO	CENT	D.P. 44-								
NUMI	BER	NUMBER	LIS	PROJECT	° SIID					- FILE I	WE WIC	TYPE /	A SI	TF NO	,				
	22500	MOMBER	SAMPLE	CODE	208		SA	MPLE					20 22	TE NO.	1				
			TYPE	CODE		CT	RE	MOVAL	E.	XPOSUR	E SAMPI	F CAL	4D.7 m				. GAUGE		
1444			(T) T) St (Ma)		CODE		The	LAVAL	Di	ATE	FND	OL SAP	11 LE	PREC.	PREC	DDDG	1 2237477		
00095	301	AP02135	-				DAT	E			TIP	STA	RT	TYPE	AT	· LALL	 GAUGE 	GAUGE	PPDT
00095	302	ADDOSSO	PR	0.2	01	2000						HR		DC (1 520)		2.0	TYPE	DEPTH (MM	EFFICIENCY
00095	303	AP02173	PR	02	1000	JAN	27,	1987 DE	C 20						EXP	REM.		DEL TH (MM	*
000953	303	AP02190	PR		01	FEB	24.	1987 DE 1987 JA	C 30	, 198	0900	090	0.0						
000953	304	AP02226	PR	02	01	MAR	24	1987 FE	N 27	, 1987	0900	0 50		2					
000953	105	Apparan		02	01	ADD	27,	1987 FE	8 24	1987	0000	0.50		2			9	15.7	44
000933	06	AP02251	PR	02	01	nrk.	21,	1987 MAI	24	1007	0900	090	0.0	3			2	29.8	44.53
000953	07	102231	PR	02		MAY	19, 1	987 APF	21	1387	0900	090	0	3			2		51.57
0009530		AP02295	PR	02	01	JUN]	16, 1	987 MAN	21,	1987	0900	090					2	14.1	68.37
000055		P02309	PR		01	JUL 1	4 1	987 MAY 987 JUN	19,	1987	0900			1				2.9	82.84
0009530	19 A	P02330	PR	02	01	AUG 1	1 1	36 / JUN	16,	1987	0900	0900	7	1			2	25.6	92.76
0009531	0 A	Pnasa.		02	01	con 1	1, 1	987 JUL	14.	1987	0300	0900	0	1			2	80.0	
0009531	2 A	P02394	PR	02	01	SEP	8, 19	987 AUG	71	7.000	0900	0900)	1			3	48.0	85.85
0009531			PR	02							0900	0900		1			3		46.39
0009533	J AL	02412	PR	0.2	01						0900	0900					9	122.0	95.25
0009531	q AP	02439	200		01	DEC 1	1.0	87 OCT	6,	1987	0900	0.000		1			3	131.3	104.25
SHIMPLE	FIR	TPV		02	01	DEC 20	, 19	a , NOA	3,	1987	0900	0900		3			(E)	32.4	139.93
NUMBER	COM	MENTS COMME	L VO	LUME	CO	NDUCT	, 19	DEC	1,		0000	0900		2		200	2	40.7	
		COMME	NTS			MDUCT		LAB.P	4		0900	0900		2		1	2	19.7	63.42
			ML		20.00			2.70		A	CIDITY.	TFE					2		88.65
00095301					UM	HO/CM							50,	LFATE		NITRA:	TP	14.0	60.28
00095302	P			12/210									120000			50 V. DOT # 8		CALCIUM	
00093302				227		10.60	63						MG/	L		MG/L			
00095303				499		50,000		4.	77		480					PIG/ L		MG/L	
00095304				313		25.00		4.	3.1		****			0.65					
00095305	AQC			78		36.00		4.0			***					0.	29		
00095306	NQ.	~ H		771		33.24					***			1.80		0.	77	0	.14
00095307		HM		1,117,144		10.80		4.3			****			3.80		0.5		0	. 26
00093307	G	HC		2230		11.24		6.3	1		****			4.10				0	.18
00095308	IM			723				4.6	9					1.40		0.7		n	06
00095309			= }	3773		12.00		4.9	4		***			1.05		0.3	5		250 2 1
00095310				4444		7.50		5.1			****				oe:	0.1	9		44
00095312		NHCM		1472		7.00					***			0.95		0.2		0.	18
00095313		Н				6.00		5.05			****		- 5	0.95		0.2		0.	16
00095313	CD			838		8.50		4.95			****		0	.90				0.	
00095314		W		567				6.55					1	.25		0.16			
		М		274		0.00		4.41			****			.70		0.19)	0.:	
					1	3.00		4.72			***					0.35		0.2	
								3.12			***			.25		0.43		0.7	2
													1.	.05				0.2	4
																0.35		0.2	7.
																			1

CUMULATIVE SAMPLING ANALYSIS RESULTS

						COMO	TW LI VI	SA	MPLING	ANA	LYSI	S RESUI	LTS					
SAMPLE	CHI	ORIDE			REGIO	N=NW STAT	ION=QU	ETI	CO CENT	RE :	MIC 1	TYPE A	SITE	NO.1				
NUMBER	MG/				M	AGNESIUM	P	OTA	SSIUM		SODI			AMMONIUM				
00005303				G/L	MO	G/L	М	G/L			MG/L				P	HOSPHOR	M	NGANESE
00095301		0.17		0.150	<	T 0.015		<w< td=""><td>0.005</td><td></td><td>S P THE SAME</td><td>0.095</td><td></td><td>MG/L</td><td></td><td>G/L</td><td>MG</td><td>/L</td></w<>	0.005		S P THE SAME	0.095		MG/L		G/L	MG	/L
00095303 00095304 00095305 00095306	UG <t< td=""><td>0.24 0.70 0.11 0.03</td><td></td><td>0.430 IS *** 0.860 0.200</td><td>* D</td><td>0.070</td><td><</td><td>Т</td><td>0.030 0.005 0.060 0.115</td><td></td><td>D</td><td>0.115 0.115 0.620 0.095</td><td></td><td>0.09 0.36 0.26 0.20</td><td>r> 0 r> (r r) (r</td><td>0.007</td><td>D</td><td>0.00</td></t<>	0.24 0.70 0.11 0.03		0.430 IS *** 0.860 0.200	* D	0.070	<	Т	0.030 0.005 0.060 0.115		D	0.115 0.115 0.620 0.095		0.09 0.36 0.26 0.20	r> 0 r> (r r) (r	0.007	D	0.00
00095307 00095308 00095309 00095310 00095312	<w <w <t< td=""><td>0.01 0.01 0.02 0.09</td><td></td><td>0.280 0.280 0.230 0.180</td><td><7</td><td>0.020</td><td>D <!--</td--><td></td><td>0.055 0.065 0.025 0.025</td><td></td><td><t <w< td=""><td>0.065 0.075 0.020 0.005</td><td></td><td>0.540 0.130 0.210 0.230</td><td><w <t <t< td=""><td>0.005</td><td></td><td>0.004 0.002 0.002 0.003</td></t<></t </w </td></w<></t </td></td></t<></w </w 	0.01 0.01 0.02 0.09		0.280 0.280 0.230 0.180	<7	0.020	D </td <td></td> <td>0.055 0.065 0.025 0.025</td> <td></td> <td><t <w< td=""><td>0.065 0.075 0.020 0.005</td><td></td><td>0.540 0.130 0.210 0.230</td><td><w <t <t< td=""><td>0.005</td><td></td><td>0.004 0.002 0.002 0.003</td></t<></t </w </td></w<></t </td>		0.055 0.065 0.025 0.025		<t <w< td=""><td>0.065 0.075 0.020 0.005</td><td></td><td>0.540 0.130 0.210 0.230</td><td><w <t <t< td=""><td>0.005</td><td></td><td>0.004 0.002 0.002 0.003</td></t<></t </w </td></w<></t 	0.065 0.075 0.020 0.005		0.540 0.130 0.210 0.230	<w <t <t< td=""><td>0.005</td><td></td><td>0.004 0.002 0.002 0.003</td></t<></t </w 	0.005		0.004 0.002 0.002 0.003
00095313 00095314 SAMPLE	NICKE	0.14 0.09 0.17	ZIN	0.420 0.470 0.160	<t< td=""><td>0.030</td><td><7 <7</td><td></td><td>0.015 0.070 0.020 0.010</td><td></td><td><t< td=""><td>0.025 0.075 0.060</td><td></td><td>0.200 0.100 0.240 0.375</td><td><t <t< td=""><td>0.004 0.008 0.011 0.005</td><td></td><td>0.002 0.001 0.002</td></t<></t </td></t<></td></t<>	0.030	<7 <7		0.015 0.070 0.020 0.010		<t< td=""><td>0.025 0.075 0.060</td><td></td><td>0.200 0.100 0.240 0.375</td><td><t <t< td=""><td>0.004 0.008 0.011 0.005</td><td></td><td>0.002 0.001 0.002</td></t<></t </td></t<>	0.025 0.075 0.060		0.200 0.100 0.240 0.375	<t <t< td=""><td>0.004 0.008 0.011 0.005</td><td></td><td>0.002 0.001 0.002</td></t<></t 	0.004 0.008 0.011 0.005		0.002 0.001 0.002
NUMBER	MG/L		MG/		IROM MG/I		LEA	D		V	ANADI	0.185 UM		T 0.015 UMINUM	COP	0.013	D ACII	0.001 0.004 OITY GRA
00095301		0002	1DT			0.026	MG/		1	MG	S/L		MG	'L	MG/	L	UG/I	
0095303 < 0095304 0095305 < 0095306 <	0.	0002 0002 **** 0004	1DT 1DT	0.005		0.018 0.032 ****	1DT 1DT	0.	005 003 003	< <	0.0	0004 0004 0004	101	0.049 0.025 0.054	1DT	0.0011 0.0082 0.0012		38.00 69.60
0095307 0095308 0095309 <	0.0	0002	< 1DT 1DT	0.001 0.002 0.002 0.001		0.012 0.026 0.013	<pre></pre>	0.0	002	< < <	0.0		UG UG 1DT	0.076 0.048 0.038		**** 0.0007 0.0007 0.0005	3	77.20 25.70 9.20
095310 < 095312 < 095313 <	0.0	002 002 002	1DT	0.001 0.007 0.002 0.005		0.093 0.006 0.054	1DT	0.0	04	< < <	0.00	004 004	1DT 1DT <	0.013 0.010 0.008	< (0.0003 0.0003 0.0010	2	6.40 4.70 9.50
095314 <	0.0	002		0.005		0.045		0.0	02	<	0.00	004	1DT 1DT 1DT	0.036 0.019 0.038	1DT 0	.0016 .0006 .0037	1 6	9.70 5.60

PART VI

SOUTHEASTERN REGION CUMULATIVE AMBIENT AIR CONCENTRATION RESULTS

DATA LISTING

				TIMELS & CO.	DATA LIST	ING	VIARIO :	STUDY					
				UMULATIVE S	AMPLING A	NALYSIS	RESULTS	s					
SAMPLE SUBMI NUMBER NUMBE	WHAT DE	PROJECT CODE	REGION=	SE STATION= SAMPLE REMOVAL	CLOYNE MIC	TYPE A	SITE N	10.1					***********
00024586 AP02 00024594 AP02		02	CODE TAN 2	DATE	EXPOSURE DATE	HR	START HR		PREC. AT EXP	PREC. AT REM.	TYPE	GAUGE DEPTH (MM	EFFICIENC
00024609 AP022 00024615 AP024 00024619 AP024 00024632 AP022 00069014 AP023 00069016 AP023 00069027 AP023 00094393 AP0245 00094382 AP0245 00094449 AP0254 SAMPLE FIELD NUMBER COMMENT	PR 57 PR 55 PR 55 PR 574 PR 574 PR 574 PR 77 PR 77 PR 8 PR	02 02 02 02 02 02 02 02 02 02 02 02 02	01 MAR 2 01 APR 2 01 MAY 1 01 JUN 10 01 JUL 16 01 AUG 12 01 SEP 8 01 NOV 3 01 DEC 1	7, 1987 DEC 4, 1987 JAN 4, 1987 FEB 4, 1987 MAR 8, 1987 APR 6, 1987 MAY 1, 1987 JUN 1, 1987 AUG 1, 1987 AUG 1, 1987 NOV 1987 DEC LAB.P	24, 1987 24, 1987 24, 1987 24, 1987 16, 1987 16, 1987 12, 1987 8, 1987 3, 1987 1, 1987	0800 1100 1600 1815 1700 2000 1000 1230 0900	1100 1400 0800 1100 1600 1845 1700 2000 1000 1230 0900 1530	3 2 3 1 1 1 1 1 1 1 1 1 1 1 1 1 3 3 3 1		1 NITRA	2	35.0 4.7 25.0 106.8 57.0 80.0 120.0 72.0 42.0 82.3 106.7 46.0 CALCIU	74.89 341.42 74.41 97.70 92.82 90.19 193.34 77.58 81.95
00024586 G 00024594 G		851	31.0	0	1.22		Mo	G/L		MG/L		MG/L	
00024609 00024615 QE 00024619 C 00024632 00069014 00069016 GE 00069027 GE 00094393 Q		521 604 **** 1808 2411 3514 **** 5165 2688 1224	34.0 8.00 ** 38.55 38.15 32.00 ** ** 36.50 14.50 30.00	0 UG 4	1.20 1.86 ***** .25 .08 .30 **** **** 15 53	**** **** **** **** **** **** ****		1.50 1.85 1.10 **** 5.25 4.15 3.50 **** 3.60 1.40 2.00		0	0.74 0.93 0.01 **** 0.88 0.60 0.50 **** 0.70 0.31	<t 0<="" td=""><td>0.18 0.26 0.06 **** .74 .26 .14 **** 50</td></t>	0.18 0.26 0.06 **** .74 .26 .14 **** 50

					- REG	ION=SE ST	ATION=	CLOYNE MIC	TYF	E A SITE NO	0.1						
SAMPLE NUMBER	С	HLORIDE			MAG	NESIUM POT		rassium s		SODIUM		ONIUM	PH	OSPHOR	MANGANESE		
	M	G/L	MG/	L	MG/	L	MG/	L	MG	J/L	MG/	L	MG		MG/	L	
00024586		0.42		0.270 0.530	<t< td=""><td>0.020</td><td><t< td=""><td>0.015</td><td>D</td><td>0.310</td><td></td><td>0.185</td><td><t< td=""><td>0.009</td><td></td><td>0.007</td></t<></td></t<></td></t<>	0.020	<t< td=""><td>0.015</td><td>D</td><td>0.310</td><td></td><td>0.185</td><td><t< td=""><td>0.009</td><td></td><td>0.007</td></t<></td></t<>	0.015	D	0.310		0.185	<t< td=""><td>0.009</td><td></td><td>0.007</td></t<>	0.009		0.007	
00024609		0.43		0.410	<t< td=""><td>0.025</td><td>D</td><td>0.065</td><td></td><td>0.410</td><td>LG</td><td>0.300</td><td><t< td=""><td>0.005</td><td></td><td>0.003</td></t<></td></t<>	0.025	D	0.065		0.410	LG	0.300	<t< td=""><td>0.005</td><td></td><td>0.003</td></t<>	0.005		0.003	
00024615		****		****		***		****		****		****		****		****	
00024619		0.19		1.170		0.120		0.090		0.050		0.900		0.025	UG	0.014	
00024632		0.15		0.610		0.115		0.035		0.040		0.575	<w< td=""><td>0.002</td><td></td><td>0.004</td></w<>	0.002		0.004	
00069014		0.19		0.410		0.050		0.025	<t< td=""><td>0.020</td><td></td><td>0.350</td><td><t< td=""><td>0.003</td><td></td><td>****</td></t<></td></t<>	0.020		0.350	<t< td=""><td>0.003</td><td></td><td>****</td></t<>	0.003		****	
00069016		****		****		****		****		****		****		****		****	
00099027		0.39				****		****		****		****		****		****	
00094382		0.13		0.470	100	0.050		0.040		0.040		0.400		0.010		0.003	
00094382		0.13		0.190	<t< td=""><td>0.015</td><td><t< td=""><td>0.010</td><td></td><td>0.060</td><td></td><td>0.170</td><td><w< td=""><td>0.002</td><td><</td><td>0.001</td></w<></td></t<></td></t<>	0.015	<t< td=""><td>0.010</td><td></td><td>0.060</td><td></td><td>0.170</td><td><w< td=""><td>0.002</td><td><</td><td>0.001</td></w<></td></t<>	0.010		0.060		0.170	<w< td=""><td>0.002</td><td><</td><td>0.001</td></w<>	0.002	<	0.001	
SAMPLE	NT	CKEL	ZINO	0.320	<t< td=""><td>0.020</td><td>D</td><td>0.030</td><td></td><td>0.215</td><td></td><td>0.200</td><td><t< td=""><td>0.003</td><td></td><td>0.001</td></t<></td></t<>	0.020	D	0.030		0.215		0.200	<t< td=""><td>0.003</td><td></td><td>0.001</td></t<>	0.003		0.001	
NUMBER	14.1	CREL	ZIN		IRON		LEAD		VA	NADIUM	ALUM	MUNIN	COP	PER	ACII	DITY GRAN	
1101204011	MG	:/L	MG/I	ri	MG/L		MG/L										
		X = 1	1107	-	PIG/ L	•	MG/ L		MG,	/L	MG/I	L.	MG/	L	UG/1	a:	
00024586		0.0002	1DT	0.009	D	0.061	1DT	0.004	<	0.0004		0.033		0.0019		86.40	
00024594	<	0.0002	1DT	0.009		0.036		0.007		0.0004	1DT	0.033	107	0.0019		88.30	
00024609		0.0014	1DT	0.010		0.015	<	0.003	<	0.0004	1DT	0.019	1.171	0.0010		8.60	
00024615		***		****		****		****		****		****		****	-	****	
00024619		0.0004	1DT	0.005		0.042		0.010	<	0.0004		0.036		0.0007		6.50	
00024632	<	0.0002	1DT	0.004		0.023		0.001	<	0.0004		0.035		0.0007		6.10	
00069014		***		****		****		****		****		****		****		0.30	
00069016		***		****		****		****		****		****		****	,	****	
00069027		****		***		***		***		****		****		****		****	
00094393	<	0.0002	. 1DT	0.002		0.013	1DT	0.001	<	0.0004		0.008	1DT	0.0003	q	6.50	
00094382	<	0.0002	<	0.001		0.010	1DT	0.005	<	0.0004	<	0.007	<	0.0003		1.60	
00094449		0.0009	1DT	0.014		0.028	<	0.002	<	0.0004	1DT	0.016	<	0.0004		8.90	

				REGIO	N=SE S'	TATI	ON=DA	LHOUS	SIE	MILLS	MIC TY	PE A SI	TE NO.	1				
SAMPLE	SUBMISSION	N LIS	PROJECT	SUB		SA	MPLE		EXP	OSURE	SAMPLE	SAMPLE	PREC.	PREC.	PREC.	GAUGE	GAUGE	EFFICIENCY
NUMBER	NUMBER	SAMPLE		PROJE	CT		MOVAL		DAT		END	START	TYPE	AT	AT		DEPTH (MM)	*
		TYPE		CODE		DA	TE				HR	HR		EXP	REM.			
00024585	AP02121	PR	02	01	JAN	27.	1987	DEC	30,	1986	0830	0900	3			2	28.0	46.20
00024593		PR	0.2	01	FEB	24.	1987	JAN	27.	1987	0800	0900	2			9	46.7	18.86
00024603	AP02203	PR	02	01	MAR	24,	1987	FEB	24,	1987	0800	0900	3			3	27.0	32.17
00024604	AP02203	PR	0.2	01	APR	21,	1987	MAR	24,	1987	0800	0900	3			3	38.0	33.88
00024613	AP02457	PR	02	01	MAY	17,	1987	APR	21,	1987	0800	0800	1			2	56.0	88.22
00094389	AP02457	PR	02	01	JUN	16,	1987	MAY	17,	1987	0800	0800	1			3	79.0	128.50
00069010	AP02374	PR	02	01	JUL	14,	1987	JUN	16,	1987	1800	0900	1		1	0	90.0	91.99
00069017	AP02374	PR	02	01	AUG	12,	1987	JUL	14,	1987	0800	1900	1			0	88.0	92.22
00069026	AP02374	PR	02	01	SEI	8,	1987	AUG	12,	1987	1800	0900	1		1	0	42.0	78.32
00106120	AP03182		0.2	01	oc:	r 6,	1987	SEE	8,	1987	0900	1800	1			*	103.9	
00094385	AP02457	PR	02	01	NOV	13,	1987	OCI	6,	1987	0900	0900	1		1	3	55.0	87.81
00094384	AP02457	PR	02	01	DEC	1,	1987	NOV	13,	1987	0800	0900	1	1		9	91.2	84.94
00094375	APO2457	PR	02	01	DEC	29,	1987	DEC	1,	1987	0800	0900	3			2	46.0	56.71
SAMPLE	FIELD C	OFFICE	VOLUME		CONDUC	T		LAB.F	Н		ACIDITY	Y.TFE	SULFA	TE	NIT	RATE	CALCI	UM
NUMBER	COMMENTS C	OMMENTS																
			ML		UMHO/0	M							MG/L		MG/	L	MG/L	
00024585		N	420		35.	.60			4.	23	**	* *	1.	85		1.12	0.	36
00024593	G		286		46.	.50			4.	06	**	* *	2.	40		1.32	0.	52
00024603	AD	N	282		14.	.00	3	UG	6.	81	***	* *	1.	65		0.41	0.	32
00024604		N	418		18.	.00			4.	45	***	* *	2.	10		0.46	0.	26
00024613	AC	2	1604		35.	50			4.	34	***	* *	5.	15		0.88	0.	76
00094389		NZ	3296		24.	.00			4.	31	**	* *	2.	80		0.35	0.	16
00069010			2688		47.	.00			4.	13	19090	**	5.	30		0.51	0.	20
00069017			2635		26.	50			4.	44	***	19	3.	75		0.31	0.	16
00069026		CM	1068		35,	.00			4.	01	***	* *	6.	35		0.74	0.	22
00106120	EF		***	* *		***	*			***	**1	**		***		***		****
00094385			1568		36,	50			4.	15	***	* *	2.	75		0.96	0.	28
00094384	P		2515		15.	50			4.	52	***	**	1.	40		0.34	0.	12
00094375			847		35.	50			4.	13	***	* *	2.	40		0.90	0.	32

ONTARIO MINISTRY OF THE ENVIRONMENT APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY DATA LISTING CUMULATIVE SAMPLING ANALYSIS RESULTS

SAMPLE	CHLORIDE	W. T.	or SIAII(N=DALHOUSIE MIL	LS MIC TYPE A S	SITE NO.1		
NUMBER		KJELDAHL	MAGNESIUM	POTASSIUM	SODIUM			
	MG/L	MG/L	MG/L	MG/L		AMMONIUM	PHOSPHOR	MANGANESE
00024585		0.600	110 0 0	1,07 B	MG/L	MG/L	MG/L	MG/L
00024593 00024604 00024613 00094389 00069010 00069017 00069026 00106120 00094385 00094384 00094375 SAMPLE NUMBER	UG 0.87 0.46 0.23	0.740 1.100 !IS **** 1.090 0.350 0.570 0.540 0.560	UG 0.520 D 0.165 UG 0.535 D 0.170 0.125 <t 0.015="" 0.035="" 0.040="" <t="" iron<="" td=""><td><t 0.010="" 0.015="" 0.025="" 0.030="" 0.065="" 0.085="" 0.110="" <="" <t="" d="" td=""><td>0.240 0.310 0.445 0.185 UG 0.110 <t 0.015<br="">0.025 <t 0.015<br="">0.035 **** 0.030 0.050 0.155 VANADIUM</t></t></td><td>0.130 0.335 0.370 0.310 0.920 0.320 0.475 0.500 0.470 **** 0.500 0.240 0.220 ALUMINUM</td><td>0.018 0.015 0.046 !IS **** 0.030 <t 0.004<br=""><t 0.007<br=""><t 0.007<br=""><t 0.003<br="">**** <t 0.006<br=""><w 0.002<br=""><t 0.005<br="">COPPER</t></w></t></t></t></t></t></td><td>D 0.013</td></t></td></t>	<t 0.010="" 0.015="" 0.025="" 0.030="" 0.065="" 0.085="" 0.110="" <="" <t="" d="" td=""><td>0.240 0.310 0.445 0.185 UG 0.110 <t 0.015<br="">0.025 <t 0.015<br="">0.035 **** 0.030 0.050 0.155 VANADIUM</t></t></td><td>0.130 0.335 0.370 0.310 0.920 0.320 0.475 0.500 0.470 **** 0.500 0.240 0.220 ALUMINUM</td><td>0.018 0.015 0.046 !IS **** 0.030 <t 0.004<br=""><t 0.007<br=""><t 0.007<br=""><t 0.003<br="">**** <t 0.006<br=""><w 0.002<br=""><t 0.005<br="">COPPER</t></w></t></t></t></t></t></td><td>D 0.013</td></t>	0.240 0.310 0.445 0.185 UG 0.110 <t 0.015<br="">0.025 <t 0.015<br="">0.035 **** 0.030 0.050 0.155 VANADIUM</t></t>	0.130 0.335 0.370 0.310 0.920 0.320 0.475 0.500 0.470 **** 0.500 0.240 0.220 ALUMINUM	0.018 0.015 0.046 !IS **** 0.030 <t 0.004<br=""><t 0.007<br=""><t 0.007<br=""><t 0.003<br="">**** <t 0.006<br=""><w 0.002<br=""><t 0.005<br="">COPPER</t></w></t></t></t></t></t>	D 0.013
0024585 0024593 0024603 0024604 0024613 0094389 0069010 0069017 0069026 106120 0094385 < 0094384 < 0094375	0.0004 < 0.0002 0.0003 < 0.0002 0.0004 0.0004 0.0007 ****	1DT 0.012 1DT 0.011 1DT 0.005 1DT 0.006 1DT 0.010 1DT 0.004 0.005 1DT 0.003 0.012 **** 0.011 1DT 0.002 1DT 0.008	0.039 0.036 0.026 D 0.042 0.023 1DT 0.007 0.025 0.015 0.028 **** 0.018 0.007 0.024	1DT 0.006 1DT 0.010 < 0.005 1DT 0.014 1DT 0.003 0.005 1DT 0.003 1DT 0.013 0.021 **** 1DT 0.004 0.003	0.0004	MG/L 0.065 D 0.075 0.042 B 0.118 0.047 < 0.007 0.021 1DT 0.007 0.046 **** 1DT 0.056 < 0.007 1DT 0.020	MG/L UG 0.0134 1DT 0.0024 D 0.0037 1DT 0.0008 0.0006 0.0003 0.0006 1DT 0.0004 1DT 0.0004 1DT 0.0006 0.0003 1DT 0.0006	90.20 115.00 LG 16.70 61.30 84.60 74.30 118.00 69.40 UG 158.00 ****

				REGI	ON=SE	STA	TION-	GOLDI	EN L	AKE M	IC TYPE	A SITE	NO.1					
SAMPLE	SUBMISSIO	N LIS	PROJECT	SUB		SA	MPLE		EXP	OSURE	SAMPLE	SAMPLE	PREC.	PREC.	PREC.	GAUGE	GAUGE	EFFICIENC
NUMBER	NUMBER	SAMPLE	CODE	PROJEC'	Γ	RE	MOVAL		DAT	E.	END	START	TYPE	AT	AT	TYPE	DEPTH (MM)	*
		TYPE		CODE		DA	TE				HR	HR	85	EXP	REM.			
00024589		PR	02	01	JAN	27,	1987	DEC	30,	1986	1700	1205	2			9	19.1	68.86
00024595		PR	02	01	FEB	25,	1987	JAN	27,	1987	1800	1705	3			2	52.0	65.81
00024605		PR	02	01	MAR	24,	1987	FEB	25,	1987	0700	1805	3			3	31.0	55.14
00024607		PR	02	01	APR	21,	1987	MAR	24,	1987	0800	0735	3			3	101.0	78.80
00024623	AP02457	PR	02	01	MAY	19,	1987	APR	21,	1987	1830	0800	1			9	69.8	80.09
00024626	AP02255	PR	02	01	JUN	16,	1987	MAY	19,	1987	0700	1830	1			2	55.0	128.80
00069012	AP02374	PR	02	01	JUL	14,	1987	JUN	16,	1987	0700	0705	1			2	57.0	57.28
00069019	AP02374	PR	02	01	AUG	11,	1987	JUL	14,	1987	0700	0705	1			2	34.0	82.25
00069024	AP02374	PR	02	01	SEP	9,	1987	AUG	11,	1987	1900	0705	1			2	71.0	95.18
00094387	APO2457	PR	02	01	OCT	6,	1987	SEF	9,	1987	0730	1900	1			3	65.0	89.84
00094380	APO2457	PR	02	01	NOV	3,	1987	OCI	6,	1987	0700	0735	1			2	77.0	34.40
00094378	AP02457	PR	02	01	DEC	1,	1987	NOV	13,	1987	0700	0705	3			9	55.1	111.29
00094443	AP02548	PR	02	01	DEC	29,	1987	DEC	1,	1987	0700	0700	3			2	28.0	103.84
SAMPLE	FIELD	OFFICE	VOLUME		CONDUC	T	1	LAB.P	H		ACIDITY	TFE.	SULFA	TE	NIT	RATE	CALCI	UM
NUMBER	COMMENTS	COMMENTS																
			ML	τ	мно/с	M							MG/L		MG/	L	MG/L	
00024589			427	7		23.	60	4	.32		***	*	1	.25		0.0	64	0.26
00024595	C		1111	Ě		24.	00	-4	.25		* * *	*	0	.95		0.	70	0.12
00024605			555	5	LG	10.0	00	4	.63		***	*	0	.85		0.3	22 <t< td=""><td>0.04</td></t<>	0.04
00024607		M	2584	l .		11.0	00	4	.63		* * *	*	1	.05	LG	0.3	19 <t< td=""><td>0.04</td></t<>	0.04
00024623	CP		1815)		34.5	50	4	.28		***	*	4	.55		0.	75	0.60
00024626		N	2300)		37.0	05	4	.10		***	ewe.	5	.10		0.0	60	0.26
00069012		M	1060)		22.2	20	4	.44		***	*	2	.50		0.4	43	0.16
00069019		M	908	1	1 - {	39.0	00	4	.28		***	*	4	.50		0.4	45	0.20
00069024		CM	2194		i i	23.0	00	4	.28		* * *	*	3	.50		0.4	49	0.14
00094387			1896	ž.	Š	26.0	00	4	.28		***	*	3	.10		0.3	33	0.14
00094380	G		860	K.	3	25.0	00	4	.29		***	*	2	.20		0.5	57	0.14
00094378	P		1991			13.5	50	4	.55		***	*	1	.10		0.3	35 <t< td=""><td>0.08</td></t<>	0.08
00094443			944			24.0	00	4	.36		***	*	1.	40		0.5	58	0.32

CUMULATIVE SAMPLING ANALYSIS RESULTS

------ REGION=SE STATION=GOLDEN LAKE MIC TYPE A SITE NO.1 ------SAMPLE CHLORIDE KJELDAHL MAGNESIUM POTASSIUM SODIUM AMMONIUM PHOSPHOR MANGANESE NUMBER MG/L MG/L MG/L MG/L MG/L MG/L MG/L MG/L 0.125 0.015 0.004 00024589 0.22 0.220 0.040 <T 0.015 0.105 0.001 00024595 0.15 0.220 <T 0.015 <T 0.015 0.055 0.140 <T 0.004 00024605 0.130 <T 0.015 <T 0.005 0.050 0.060 0.010 < 0.001 0.18 0.001 00024607 0.14 0.120 <T 0.010 <T 0.015 <T 0.020 LG 0.055 <T 0.008 0.040 0.740 0.011 0.027 00024623 0.17 0.810 0.100 0.065 0.595 0.008 0.003 0.600 0.045 0.065 0.030 <T 00024626 0.10 00069012 0.12 0.300 0.030 <T 0.010 0.025 0.265 < T 0.005 0.002 0.002 00069019 0.16 0.750 0.035 0.030 0.030 0.500 <T 0.004 0.001 0.450 0.030 0.035 0.065 0.290 0.008 00069024 0.20 0.400 <T 0.020 <T 0.015 <T 0.025 0.340 < T 0.007 0.001 00094387 0.07 0.310 0.011 0.001 00094380 0.09 0.470 <T 0.015 <T 0.015 <T 0.020 001 01

00021200		0.00	_			0.000		0.020					-		
00094378		0.09	0	.200	<t< td=""><td>0.010</td><td><t< td=""><td>0.005</td><td><t< td=""><td>0.025</td><td></td><td>0.170</td><td><w< td=""><td>0.002</td><td>0.001</td></w<></td></t<></td></t<></td></t<>	0.010	<t< td=""><td>0.005</td><td><t< td=""><td>0.025</td><td></td><td>0.170</td><td><w< td=""><td>0.002</td><td>0.001</td></w<></td></t<></td></t<>	0.005	<t< td=""><td>0.025</td><td></td><td>0.170</td><td><w< td=""><td>0.002</td><td>0.001</td></w<></td></t<>	0.025		0.170	<w< td=""><td>0.002</td><td>0.001</td></w<>	0.002	0.001
00094443		0.17	0	.280		0.030	<t< td=""><td>0.015</td><td></td><td>0.055</td><td></td><td>0.200</td><td><t< td=""><td>0.003</td><td>0.001</td></t<></td></t<>	0.015		0.055		0.200	<t< td=""><td>0.003</td><td>0.001</td></t<>	0.003	0.001
SAMPLE	NIC	KEL	ZINC		IRON		LEAD		VANA	DIUM	ALUMI	NUM	COPP	ER	ACIDITY GRAN
NUMBER															
	MG/	L	MG/L		MG/L		MG/L		MG/I		MG/L		MG/L		UG/L
00024589	<	0.0002		0.010	0	0.026	1DT	0,003		0.0004		0.038	1DT	0.0008	69.40
00024595	D	0.0004	1DT	0.002	9	0.009	1DT	0.001	<	0.0004	1DT	0.011	1DT	0.0007	78.50
00024605	<	0.0002	1DT	0.004	0	0.012	<	0.003	<	0.0004	1DT	0.015	1DT	0.0006	42.20
00024607	<	0.0002	<	0.001		0.014	<	0.001	<	0.0004		0.010		0.0006	43.40
00024623		0.0004	1DT	0.004	1	0.047	D	0.010	<	0.0004		0.035		0.0009	86.50
00024626	<	0.0002	1DT	0.003	1	0.009	1DT	0.001	<	0.0004		0.024	1DT	0.0010	90.90
00069012		0.0004	<	0.002	3	0.011		0.031	<	0.0004		0.028		0.0005	69.70
00069019		0.0005	1DT	0.006	3	0.017	1DT	0.012	<	0.0004		0.033	1DT	0.0006	92.50
00069024		0.0002		0.011	1	0.014		0.010	<	0.0004		0.022	1DT	0.0003	89.70
00094387	<	0.0002	D	0.018		0.015		0.003	<	0.0004	<	0.008		0.0004	77.70
00094380		0.0003	D	0.021		0.035		0.007	<	0.0004	<	0.011	1DT	0.0008	76.80
00094378		0.0005	1DT	0.004	1	0.009		0.007	<	0.0004	<	0.008	<	0.0003	49.80
00094443		0.0002	1DT	0.008		0.014		0.009	<	0.0004	1DT	0.008	<	0.0004	67.60
												61			

SAMPLE	SUBMISSIO	N LIS	PROJECT	SUB		SA	MPLE		EXP	OSURE	SAMPLE	SAMPLE	PREC.	PREC.	PREC.	GAUGE	GAUGE	EFFICIENCY
NUMBER	NUMBER	SAMPLE	CODE	PROJEC	T		MOVAL		DAT	E	END	START	TYPE	AT	AT	TYPE	DEPTH (MM)	¥
		TYPE		CODE		DA	TE				HR	HR		EXP	REM.			
00024591	AP02135	PR	02	01	JAN	27,	1987	DEC	30,	1986	0955	1330	2			2	38.0	47.98
00024597	AP02173	PR	02	01	FEB	24,	1987	JAN	27,	1987	1310	0955	2			2	34.0	30.98
00024601	AP02203	PR	02	01	MAR	24,	1987	FEB	24,	1987	1002	1310	1			3	33.0	66.27
00024602	AP02203	PR	02	01	APR	21,	1987	MAR	24,	1987	1000	1002	1			3	68.0	51.00
00024624	AP02457	PR	02	01	MAY	19,	1987	APR	21,	1987	0950	1000	1			3	52.0	101.58
00024631	AP02255	PR	02	01	JUN	16,	1987	MAY	19,	1987	1000	0950	1			2	79.0	93.41
00069015	AP02374	PR	02	01	JUL	14,	1987	JUN	16,	1987	1045	1000	1			2	92.0	69.23
00069020	AP02374	PR	02	01	AUG	11,	1987	JUL	14,	1987	1050	1045	1			2	44.0	127.40
00069022	AP02374	PR	02	01	SEP	8,	1987	AUG	11,	1987	1015	1050	1			2	18.0	87.27
00094391	AP02457		02	01	OCT	6,	1987	SEE	8,	1987	0915	1015	1			3	141.0	•
00094377	AP02457	PR	02	01	NOV	3,	1987	OCI	6,	1987	1125	0915	1		1	9	64.5	78.50
00094386	AP02457	PR	02	01	DEC	1,	1987	NOV	13,	1987	1015	1125	2	1		2	149.0	58.27
00094392	AP02457	PR	02	01	DEC	30,	1987	DEC	1,	1987	1545	1015	3			2	58.0	44.50
SAMPLE	FIELD	OFFICE	VOLUME		CONDUC	T	0.0	LAB.E	Н		ACIDITY	TFE.	SULFA	TE	NIT	RATE	CALCI	UM
NUMBER	COMMENTS	COMMENTS																
			ML		UMHO/C	M							MG/L		MG/	L	MG/L	
00024591		N	592		3	4.50	0		4.	13	* * *	**	1.	60		0.91	0.	20
00024597	CD	N	342		4	3.00	0		4.	0.5	* * *	* *	2.	70		1.30	0.	66
00024601			710		1	1.00	0		4.	65	* * *	* *	0.	95		0.31	0.	12
00024602			1126		1	4.00	0		4.	53	* * *	* *	1.	45		0.26	0.	10
00024624	C		1715		4	7.00	0		4.	11	***	* *	6.	00		0.96	0.	74
00024631			2396		2	9.8	5		4.	25	***	* *	3.	60		0.50	0.	42
00069015			2068		3	7.50)		4.	24	***	* *	4.	20		0.59	0.3	36
00069020		NM	1820		4	0.00	0		4.	20	***	EW:	5.	05		0.44	0.:	26
00069022		HCM	510		3	3.00) I)	4.	55	***	K #	2.	65		0.36	0.:	26
00094391	EG		***	*		* 1	***			***	***	*		***		****	9	***
00094377			1644		4	4.00)		4.	05	***	* *	3.	20		1.04	0.3	32
00094386			2819		LG 1	0.00) E	3	4.	75	* * *	*	1.	10		0.28	0.	14
00094392		N	838		2	7.00)		4.	28	* * *	*	2.	40		0.63	0.	36

CUMULATIVE SAMPLING ANALYSIS RESULTS

				R	EGION	=SE STATIO	N=SMI1	THS FALLS	MIC 7	YPE A SITE	NO.1					
SAMPLE	CH	HLORIDE	KJE	LDAHL	MAG	NESIUM	POTA	ASSIUM	son	MUIC	AMMO	ONIUM	РНО	SPHOR	MAN	GANESE
	Mo	S/L	MG/	L	MG/	L	MG/I	,	MG	L	MG/I		MG/	L	MG/	L
00024591		0.36	(0.360	<t< td=""><td>0.025</td><td><t< td=""><td>0.005</td><td></td><td>0.175</td><td>- 0</td><td>.175</td><td></td><td>0.011</td><td></td><td>0.003</td></t<></td></t<>	0.025	<t< td=""><td>0.005</td><td></td><td>0.175</td><td>- 0</td><td>.175</td><td></td><td>0.011</td><td></td><td>0.003</td></t<>	0.005		0.175	- 0	.175		0.011		0.003
00024597		0.62	(0.830		0.055	<t< td=""><td>0.015</td><td></td><td>0.365</td><td>0</td><td>.490</td><td></td><td>0.022</td><td></td><td>0.004</td></t<>	0.015		0.365	0	.490		0.022		0.004
00024601		0.21	(0.200	<t< td=""><td>0.015</td><td><t< td=""><td>0.010</td><td></td><td>0.095</td><td>(</td><td>.085</td><td></td><td>0.010</td><td></td><td>0.001</td></t<></td></t<>	0.015	<t< td=""><td>0.010</td><td></td><td>0.095</td><td>(</td><td>.085</td><td></td><td>0.010</td><td></td><td>0.001</td></t<>	0.010		0.095	(.085		0.010		0.001
00024602		0.33	(0.290		0.035		0.030		0.120	(.110		0.026		****
00024624		0.21	(0.930		0.135		0.055		0.080	(.840	<t< td=""><td>0.007</td><td></td><td>0.002</td></t<>	0.007		0.002
00024631		0.10	(0.520		0.130		0.075		0.060	0	.425	<t< td=""><td>0.006</td><td><</td><td>0.001</td></t<>	0.006	<	0.001
00069015		0.17	(0.500		0.090		0.025		0.040	(.445	<t< td=""><td>0.006</td><td></td><td>0.003</td></t<>	0.006		0.003
00069020		0.15	(0.490	D	0.075	<t< td=""><td>0.020</td><td><t< td=""><td>0.020</td><td></td><td>.400</td><td><t< td=""><td>0.003</td><td></td><td>0.002</td></t<></td></t<></td></t<>	0.020	<t< td=""><td>0.020</td><td></td><td>.400</td><td><t< td=""><td>0.003</td><td></td><td>0.002</td></t<></td></t<>	0.020		.400	<t< td=""><td>0.003</td><td></td><td>0.002</td></t<>	0.003		0.002
00069022		0.12		0.300		0.070	<t< td=""><td>0.005</td><td><t< td=""><td>0.020</td><td>0</td><td>.185</td><td><t< td=""><td>0.003</td><td></td><td>0.003</td></t<></td></t<></td></t<>	0.005	<t< td=""><td>0.020</td><td>0</td><td>.185</td><td><t< td=""><td>0.003</td><td></td><td>0.003</td></t<></td></t<>	0.020	0	.185	<t< td=""><td>0.003</td><td></td><td>0.003</td></t<>	0.003		0.003
00094391		****		****		****		****		****		****		***		****
00094377		0.17	(0.480		0.055	<t< td=""><td>0.015</td><td><t< td=""><td>0.020</td><td>(</td><td>.410</td><td><t< td=""><td>0.002</td><td></td><td>0.005</td></t<></td></t<></td></t<>	0.015	<t< td=""><td>0.020</td><td>(</td><td>.410</td><td><t< td=""><td>0.002</td><td></td><td>0.005</td></t<></td></t<>	0.020	(.410	<t< td=""><td>0.002</td><td></td><td>0.005</td></t<>	0.002		0.005
00094386		0.08		0.170	D	0.045	<t< td=""><td>0.005</td><td></td><td>0.030</td><td>(</td><td>.150</td><td><w< td=""><td>0.002</td><td></td><td>0.001</td></w<></td></t<>	0.005		0.030	(.150	<w< td=""><td>0.002</td><td></td><td>0.001</td></w<>	0.002		0.001
00094392		0.23	(260		0.115	<t< td=""><td>0.005</td><td></td><td>0.095</td><td>C</td><td>.230</td><td><w< td=""><td>0.002</td><td></td><td>0.002</td></w<></td></t<>	0.005		0.095	C	.230	<w< td=""><td>0.002</td><td></td><td>0.002</td></w<>	0.002		0.002
SAMPLE	NI	CKEL	ZINC	3	IRO	N	LEAD	6 8	VAN	ADIUM	ALUM	INUM	COP	PER	ACI	DITY GRAN
NUMBER																
	MG	/L	MG/I	L	MG/	L	MG/I	i.	MG/	L	MG/I	,	MG/	L	UG/	L
00024591	<	0.0002		0.013	0	0.025	1DT	0.005		0.0004	1DT	0.043	1DT	0.0015	ŷ	96.70
00024597	<	0.0002	1DT	0.012	9	0.032	1DT	0.007		0.0007	1DT	0.041	1DT	0.0018	1	13.00
00024601	<	0.0002	1DT	0.037	1	0.012	<	0.002	<	0.0004		0.020		0.0011	97	42.40
00024602		****		****		****		****		****		****		****	9	48.40
00024624		0.0003	1DT	0.006	9	0.054		0.006	<	0.0004		0.043		0.0012	1	13.00
00024631	<	0.0002	1DT	0.003	3)	0.017	1DT	0.001	<	0.0004		0.020		0.0005	7	70.10
00069015		0.0006	1DT	0.002	1	0.016		0.010	<	0.0004		0.021		0.0005	7	99.20
00069020		0.0004		0.008	9	0.017		0.012	<	0.0004		0.010		0.0006	10	07.00
00069022		0.0005	1DT	0.005	3	0.014		0.021	<	0.0004		0.031	1DT	0.0012	7	58.90
00094391		****		****		****		****		****		****		****		****
00094377		0.0002	1DT	0.005		0.023		0.002	<	0.0004		0.008	1DT	0.0006	1	24.00
00094386	<	0.0002	1DT	0.002		0.007		0.003	<	0.0004	<	0.007	1DT	0.0002		38.60

00094392 < 0.0002 1DT 0.023 0.015 0.009 < 0.0004 < 0.011 < 0.0004 77.20

PART VII

SOUTHWESTERN REGION CUMULATIVE AMBIENT AIR CONCENTRATION RESULTS

ONTARIO MINISTRY OF THE ENVIRONMENT APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY DATA LISTING

SAMPLE	SUBMISSION	LIS	PROJECT	SUB			AMPLE											
NUMBER	NUMBER	SAMPLE TYPE		PROJECT CODE	ľ	RI	EMOVA) ATE		DAT	POSURE	SAMPLE END HR	SAMPLE START HR	TYPE	PREC. AT EXP	PREC. AT REM.	GAUGE TYPE	GAUGE DEPTH (MM)	EFFICIENC %
00074298	AP02132	PR	02	01	TAN	27	100			2723 3			*					
00074314	AP02167	PR	02	01	FFD	21,	1907	DEC	30,	1986	1130	1630	2	1		2	39.9	82.36
00074324	AP02186	PR	02	01	MAD	24,	1987	JAN	27,	1987	1200	1130	3			2	14.0	58.08
00074340	AP02226	PR	02	01	ADD	24,	1987	FEB	24,	1987	1130	1200	3			2	23.2	68.90
00074362	AP02226	PR	0.2	01	MAY	10	1987	MAR	24,	1987	1600	1130	1			2	70.1	76.89
00074378	AP02255	PR	02	01	TIMI	19,	1987	APR	21,	1987	1130	1600	1			2	17.0	
00074393	AP02279	PR	02	01	JUN	16,	1987	MAY	19,	1987	1200	1130	1			3	40.0	113.42
00074408	AP02321	17.330	02	01	TOL	14,	1987	JUN	16,	1987	1330	1200	1			3	30.0	93.71
00074417	AP02336	PR	02	01	AUG	11,	1987	JUL	14,	1987	1200	1330	1			3	56.0	10.06
00074436	AP02357	PR	02	01	SEP	8,	1987	AUG	11,	1987	1230	1200	1			3	40.0	93.17
00074445	AP02407	PR	02		OCT	6,	1987	SEP	8,	1987	1200	1230	1			3		98.25
00063787	AP02412	PR	02	01	NOV	3,	1987	OCT	6,	1987	1200	1200	1			1	83.0	96.11
00074465	AP02447	PR	02	01	DEC	1,	1987	NOV	3,	1987	1300	1200	3			2	63.0	68.69
SAMPLE F				01	DEC :	29,	1987	DEC	1,	1987	1130	1300	2			2	68.0	94.26
	COMMENTS CO		VOLUME	CC	NDUC:	Γ	I	AB.P	H		ACIDITY.	.TFE	SULFATE	E)	NITR		76.6	124.97
			ML	TTM	mo /es										11110	MIL	CALCIU	4
			200	OF	HO/C	3							MG/L		MG/L		MG/L	
00074298			1067		26.1	0			4.3	0	****							
00074314		H	264		39.5		73	G	5.3				2.00			0.63	0.40)
0074324			519		30.6		U	G	4.3		****		5.80)	UG	2.10	4.00	
0074340	AC		1750		30.5						***		2.10	E)		0.64	0.36	
0074362	ABC		626		52.5				4.3		****		3.25			0.55	0.34	
0074378	AC		1217		50.1				4.1		****		7.70			1.30	1.42	
0074393	G		98		41.3				3.9		***		5.65			0.85	0.54	
0074408		X	1694			***			4.1		***		4.90			0.80	0.54	
0074417	A		1276		27.0					***	****		* *	**		***		
0074436	ABC		2590		62.0				4.36		***		2.75			0.52	0.52	
0074445			1405		29.00				3.96		***		6.40			0.84	0.32	
0063787			2081						4.33		****		2.75			0.64		
074465	,	V	3108		21.00				4.38	ř.	****		2.10			0.35	0.38	
					24.00				4.31								0.28	

CUMULATIVE SAMPLING ANALYSIS RESULTS

CAMPAGE	2011	LODINE	P TOY	DAHL	323.25	NESIUM	D OWN &	CCTIM	cor	NUIC	5.5047	NIUM	DHO	SPHOR	34231	GANESE
SAMPLE NUMBER	CH	LORIDE	KJEL	DAHL	MAG	NESTUM	POTA	SSIUM	SUL	DIUM	AMMC	NIUM	PHO	PHOK	MAN	GANESE
NUMBER	MG	/L	MG/I		MG/	L	MG/L		MG,	'L	MG/I		MG/	ŭ.	MG/	L
00074298		0.38		0.250		0.055		0.030		0.125	0	230		0.026		0.008
00074314		0.79		0.950		0.360		0.080		0.365	C	.750		0.022	В	0.072
00074324		0.30		0.210		0.065		0.025		0.110		.150	<t< td=""><td>0.007</td><td></td><td>0.002</td></t<>	0.007		0.002
00074340		0.17		0.540		0.050		0.050		0.100	0	.505		0.017		0.003
00074362		0.39		1.230)	0.255		0.220		0.130	1	.080		0.026		0.015
00074378		0.25		0.550		0.100		0.035		0.045	C	.580	<w< td=""><td>0.002</td><td></td><td>0.004</td></w<>	0.002		0.004
00074393		0.55	!IS	****		0.125		0.265	В	0.285	0	.610	!IS	****		0.007
00074408		****		***		****		****		***		****		***		****
00074417		0.13		0.380	1	0.095		0.040		0.030	0	.350	<t< td=""><td>0.002</td><td></td><td>0.002</td></t<>	0.002		0.002
00074436		0.25		0.840		0.070		0.150		0.040	0	.705		0.039		0.004
00074445		0.18		0.480		0.055		0.040		0.060	0	.345	<t< td=""><td>0.003</td><td></td><td>0.002</td></t<>	0.003		0.002
00063787		0.24		0.290		0.035	<t< td=""><td>0.015</td><td></td><td>0.045</td><td>0</td><td>.205</td><td><w< td=""><td>0.002</td><td><</td><td>0.001</td></w<></td></t<>	0.015		0.045	0	.205	<w< td=""><td>0.002</td><td><</td><td>0.001</td></w<>	0.002	<	0.001
00074465		0.21		0.250	i	0.030	<t< td=""><td>0.015</td><td></td><td>0.060</td><td>0</td><td>.200</td><td><w< td=""><td>0.002</td><td></td><td>0.001</td></w<></td></t<>	0.015		0.060	0	.200	<w< td=""><td>0.002</td><td></td><td>0.001</td></w<>	0.002		0.001
SAMPLE NUMBER	NI	CKEL	ZINC		IRO	N	LEAD		VAN	ADIUM	ALUM	IINUM	COPI	PER	ACI	DITY GRAN
	MG	/L	MG/L	r	MG/	L	MG/L		MG/	L	MG/I	i	MG/I	Ū.	UG/	L
00074298		0.0003	1DT	0.011		0.036	1DT	0.002		0.0005		0.053		0.0014	11	66.50
00074314	D	0.0097	1DT	0.016	UG	0.429		0.012	<	0.0004		0.204	1DT	0.0021	0,	35.00
00074324		0.0002		0.008		0.066	<	0.003		0.0008		0.046	D	0.0029	18	84.40
00074340	<	0.0002	1DT	0.004		0.022		0.003	<	0.0004		0.030		0.0019	0.0	75.40
00074362		0.0018	1DT	0.011		0.107		0.006	<	0.0004		0.193	1DT	0.0012	1	05.00
00074378	<	0.0002	lDT	0.003		0.037	1DT	0.003	<	0.0004		0.054		0.0016	1	32.00
00074393	D	0.0029	1DT	0.039	D	0.231	1DT	0.010	D	0.0007	В	1.023	В	0.0099		98.60
00074408		****		***		***		****		***		****		***		****
00074417	<	0.0002		0.004		0.022		0.005		0.0007		0.028		0.0015	129	74.20
00074436	<	0.0002	1DT	0.005		0.025	lDT	0.005	<	0.0004		0.012		0.0009	1	49.00
00074445		0.0003	1DT	0.003		0.022		0.054	D	0.0007		0.016	1DT	0.0013	No.	81.70
00063787	<	0.0002	<	0.001		0.012		0.012	<	0.0004	1DT	0.007	100	0.0009	0.	70.00

0.011 1DT 0.003 < 0.0004

0.008

0.0018

91.60

00074465 0.0003

1DT 0.004

CUMULATIVE SAMPLING ANALYSIS RESULTS

				REG	SION=SW	V ST	ATION	=COLO	CHES	TER M	IC TYPE	A SITE	NO.1					
SAMPLE	SUBMISSIO	N LIS	PROJECT	SUB		SA	MPLE		EXP	OSURE	SAMPLE	SAMPLE	PREC.	PREC.	PREC.	GAUGE	GAUGE	EFFICIENCY
NUMBER	NUMBER	SAMPLE	CODE	PROJEC	Т	RE	MOVAL		DAT	E	END	START	TYPE	AT	AT	TYPE	DEPTH (MM)	4
		TYPE		CODE		DA	TE				HR	HR	6	EXP	REM.			
00074005	.000122	nn.	0.0	0.3	73.17	22	1.007	DEG	20	1000	0715	0006		140		•	** 0	(1.10
00074295		PR	02	01					10000000	1986	0715	0826	2	1	1	2	44.0	61.18
00074310		PR	02	01					2000	1987	0800	0720	3	1		2	12.6	68.20
00074320		PR	02	01		201 E 40				1987	0830	0800	3			2	36.1	64.1€
	AP02226	PR	02	01					10.10 m	1987	0710	0830	1		20	2	82.9	69.66
	AP02226	PR	02	01		8.00				1987	0730	0715	1		1	2	36.0	61.26
	AP02255	PR	02	01		15/11/18				1987	1230	0730	1			3	55.0	82.04
00074389	AP02279	PR	02	01						1987	0900	1240	1			3	105.0	75.80
00074404	AP02321	PR	02	01	AUG	11,	1987	JUL	14,	1987	0714	0914	1			3	70.0	61.03
00074413	AP02336	PR	02	01	SEF	8,	1987	AUG	11,	1987	0800	0720	1.			3	157.0	78.71
00074432	AP02357	PR	02	01	OCI	6,	1987	SEF	8,	1987	0720	0800	1			3	94.0	83.65
00074441	AP02407	PR	02	01	NOV	3,	1987	OCI	6,	1987	1130	0730	1			1	64.0	75.94
00063783	AP02412	PR	02	01	DEC	1,	1987	NOV	3,	1987	0800	1130	3		1	2	52.2	122.20
00074461	AP02447	PR	02	01	DEC	29,	1987	DEC	1,	1987	0740	0800	3	1		2	89.7	76.61
SAMPLE	FIELD	OFFICE	VOLUME		CONDUC	T		LAB.F	H		ACIDITY	.TFE	SULFA	TE	NIT	RATE	CALCI	UM
NUMBER	COMMENTS	COMMENTS																
			ML		UMHO/C	M							MG/L		MG/	L	MG/L	
00074295	С		87	4		35.	50	4	.20		***	* *	2	.45		0.0	61 0	.14
00074310	С		275	9		48.	00	4	.01		***	* *	2	.95		1.	14 0	.42
00074320	C		752	2		34.	80	4	.23		***	* *	1	.80		0.8	84 0	.16
00074336		HM	1875	5		29.	44	4	.28		***	**	3	.20		0.5	51 0	.64
00074358	AF		71	б		37.	49	4	.63		***	*	7	.20		1.1	19 1	.94
00074374	A		1465	5		38.	70	4	.21		***		4	.55		0.	60 0	.38
00074389	AC		2584	4		38.	00	4	.17		***	. *	5	.15		0.	65 0	.34
00074404	F		138	7		59.		4	.00		***	* *	6	.55		0.		.60
00074413	1777		4012			25.			.70		***	*		.40		0.4		.12
00074432						73.			.90		***			.10		0.9		.38
			255.	5		13.												
00074441			2553 1578			40.			.13		***			.10		0.		.50

5.11

0.56

LG 0.15

2.85

13.50

00074461 CG H 2231

CUMULATIVE SAMPLING ANALYSIS RESULTS

------ REGION-SW STATION-COLCHESTER MIC TYPE A SITE NO.1 ------

SAMPLE	CHI	ORIDE	KJELD	AHL	MAGNESIUM	POTAS	SlUM	SODI	UM	AMMONI	UM	PHOS	PHOR	MANO	GANESE
	MG/	L	MG/L		MG/L	MG/L		MG/L		MG/L		MG/L		MG/I	ū.
00074295		0.38		0.350	0.030	<7	0.015		0.055	0.	300	<t< td=""><td>0.007</td><td></td><td>0.002</td></t<>	0.007		0.002
00074310		0.79		0.540	0.085		0.030		0.230	0.	425	<t< td=""><td>0.004</td><td></td><td>0.005</td></t<>	0.004		0.005
00074320		0.27		0.330	0.045	<t< td=""><td>0.025</td><td></td><td>0.060</td><td>0.</td><td>270</td><td><t< td=""><td>0.007</td><td></td><td>0.002</td></t<></td></t<>	0.025		0.060	0.	270	<t< td=""><td>0.007</td><td></td><td>0.002</td></t<>	0.007		0.002
00074336		0.11		0.430	0.080		0.025		0.050	0.	435	< T	0.003		0.003
00074358		0.39		1.130	0.490		0.140		0.120	0.	970		0.019		0.019
00074374		0.30		0.660	0.095		0.065		0.080	0.	710	<w< td=""><td>0.002</td><td></td><td>0.003</td></w<>	0.002		0.003
00074389		0.20	D	1.020	0.085		0.160		0.060	0.	850	D	0.083		0.003
00074404		0.23		0.980	0.100		0.055		0.035	0.	795		0.015		0.004
00074413		0.14		0.440	0.170		0.060		0.040	0.	430	< T	0.005		0.004
00074432		0.25	D	1.480	0.075		0.050	<t< td=""><td>0.025</td><td>0.</td><td>950</td><td></td><td>0.051</td><td></td><td>0.004</td></t<>	0.025	0.	950		0.051		0.004
00074441		0.27		0.480	0.090		0.050		0.105	0.	425	<w< td=""><td>0.002</td><td></td><td>0.003</td></w<>	0.002		0.003
00063783		0.19		0.280	0.035	<t< td=""><td>0.020</td><td></td><td>0.060</td><td>0.</td><td>245</td><td><w< td=""><td>0.002</td><td></td><td>0.001</td></w<></td></t<>	0.020		0.060	0.	245	<w< td=""><td>0.002</td><td></td><td>0.001</td></w<>	0.002		0.001
00074461		0.45	RRV	7.000	0.090	UG	0.250		0.355	0.	160		0.015		0.005
SAMPLE NUMBER	NIC	KEL	ZINC		IRON	LEAD		VANA	DIUM	ALUMIN	UM	COPPI	ER	ACII	OITY GRAN
	MG/	L	MG/L		MG/L	MG/L		MG/L		MG/L		MG/L		UG/1	
00074295	<	0.0002	1DT	0.012	0.022	lDT	0.006	<	0.0004		0.042		0.0013		92.30
00074310	<	0.0002	1DT	0.022	0.057	1DT	0.007	<	0.0004		0.177	1DT	0.0012		124.00
00074320	<	0.0002	1DT	0.012	0.022	1DT	0.002	<	0.0004		0.037	1DT	0.0010		94.20
00074336	<	0.0002	1DT	0.016	0.028		0.003	<	0.0004		0.034		0.0009		75.60
00074358		0.0003	1DT	0.032	0.180	lDT	0.005	<	0.0004		0.176	D	0.0027		51.70
00074374	<	0.0002	1DT	0.005	0.028	lDT	0.001	<	0.0004		0.038		0.0010		89.80
00074389		0.0004	1DT	0.009	0.013	1DT	0.002	<	0.0004		0.012	1DT	0.0013		100.00
00074404	<	0.0002	1DT	0.011	0.032		0.012	D	0.0005		0.062	L	0.0006	D	170.00
00074413	<	0.0002		0.006	0.032		0.021	<	0.0004		0.031		0.0007		43.80
00074432	<	0.0002		0.009	0.030		0.009		0.0010		0.023	D	0.0049		167.00
00074441	D	0.0013	1DT	0.008	0.028		0.017	<	0.0004	D	0.046		0.0008	D	105.00
00063783	<	0.0002	1DT	0.004	0.008	1DT	0.009	<	0.0004	1DT	0.005	1DT	0.0002		73.00
00074461		0.0024	1DT	0.014	0.035	1DT	0.001	<	0.0004	3	0.022	В	0.0095		43.90

SAMPLE	SUBMISSIO	N LIS	PROJECT	SUB		SA	MPLE		EXP	OSURE	SAMPLE	SAMPLE	PREC.	PREC.	PREC.	GAUGE	GAUGE	EFFICIENCY
NUMBER	NUMBER	SAMPLE	CODE	PROJEC'	Γ	RE	MOVAL		DAT	E	END	START	TYPE	AT	AT	TYPE	DEPTH (MM)	*
		TYPE		CODE		DA	TE				HR	HR	-	EXP	REM.			
00074294	AP02132	PR	02	01	JAN	27,	1987	DEC	30,	1986	0700	1430	2			.2	48.2	32.33
00074311	AP02167	PR	02	01	FEB	24,	1987	JAN	27,	1987	0700	0700	3			2	24.3	30.93
00074321	AP02186	PR	02	01	MAR	24,	1987	FEB	24,	1987	0700	0700	3			2	21.4	78.44
00074337	AP02226	PR	02	01	APR	21,	1987	MAR	24,	1987	0700	0700	1			2	53.3	72.52
00074359	AP02226	PR	02	01	MAY	19,	1987	APR	21,	1987	0700	0700	1			2	44.0	86.31
00074375	AP02255	PR	02	01	JUN	16,	1987	MAY	19,	1987	0700	0700	1			3	20.0	76.54
00074390	AP02279	PR	02	01	JUL	14,	1987	JUN	16,	1987	0700	0700	1			3	107.0	81.78
00074405	AP02321	PR	02	01	AUG	11,	1987	JUL	14,	1987	0700	0700	1			3	103.0	84.18
00074414	AP02336	PR	02	01	SEP	8,	1987	AUG	11,	1987	1400	0700	1			3	93.0	79.12
00074433	AP02357	PR	02	01	OCI	7,	1987	SEE	8,	1987	1400	1400	1			3	107.0	76.71
00074442	AP02407	PR	02	01	NOV	3,	1987	OCT	7,	1987	0700	1400	1			1	50.0	107.12
00063784	AP02412	PR	02	01	DEC	1,	1987	NOV	13,	1987	0700	0700	1		1	2	31.0	171.59
00074462	AP02447	PR	02	01	DEC	29,	1987	DEC	1,	1987	0900	0700	3		1	2	93.6	72.49
SAMPLE	FIELD (OFFICE	VOLUME		CONDUC	T	1	LAB. F	Н		ACIDITY	Y.TFE	SULFA	TE	NIT	RATE	CALCI	UM
NUMBER	COMMENTS (COMMENTS																
			ML	t	MHO/C	M							MG/L		MG/	L	MG/L	
00074294		N	506	5	36	.00			4	. 21	***	* *	2	.65		0.	67	0.22
00074311		N	244	1	54	.50			4	.14	**1	* *	4	.45	UG	1.	95	1.84
00074321			545	i	43	.80			4	.09	***	* *	2	.25		1.	03	0.28
00074337			1255		33	.98			4	. 27	***	* *	3	. 65		0.	62	0.50
00074359	A		1233	1	49	.24			4	.11	**1	* *	7	.30		0.	93	0.96
00074375	A		497		26	.40			4	.55	**	* *	4	.45		0.	70	0.60
00074390			2841		38	.00			4	.14	* * *	* *	4	.35		0.	60	0.30
00074405			2815	i	41	.50			4	.19	***	* *	4	.55		0.5	50	0.44
00074414	ABC	H	2389	i .	21	.50		UG	5.	.41	**1	* *	4	.00		0.5	51	0.32
00074433			2665	i i	50	.00			4	.07	***	* *	5	.00		0.	78	0.36
00074442			1739		30	.00			4	. 27	***	* *	3	.00		0.	56	0.34
00063784	A	N	1727		25	.00			4	. 26	**1	**	2	.25		0.	45	0.18
00074462	G	HM	2203		572	.00		В	-	.31	***	25		.35		0.3	29 D	1.30

						FRECIPI:	PATION	TN ONT	LNT				
				CUM	ULATTU	DATA I	ISTIN	IN ONTAR G LYSIS RESU	IO STUDY				
						SAMPLIN	C AMERI						
SAMPLE	CHLORIDE			 REGION=SW 	STATIC	W. s.		KESU	E NO.1				
NUMBER	CHLORIDE	KJELD	Ант			N-MERLIN	MIC T	YPF A SIM					
	MG/L			MAGNESIUM	D	Dan -		a SIT	E NO.1				
	1.107.	MG/L			P	OTASSIUM	1	SODIUM					
00074294				MG/L	144	NO COLONIA		ODIOM	AMMONIUM				
00074311	0.33		0.390		M	S/L	N	IG/L	-2.00	PHO	SPHOR	Ма	NON
00074321	0.99		0.870	0.035	,			, L	MG/L	90000000		1,177	NGANESE
00074337	0.36		230	0.300		T 0.020)	0.17		MG/	L	MG/	y.,
00074359	0.13			0.050		0.050		0.07				116/	L
00074375	0.21		.510	0.070		0.025		0.375	0 620		0.002		
00074390	0.30		.960	0.220		0.030		0.075	0 170		0.012		0.002
00074405	0.20	1	.720	0.120	20	0.060		0.065	0	< T	0.004		0.013
00074414	0.25		.510	0.070	D	0.175		0.060	0.920	<t< td=""><td>0.007</td><td></td><td>0.003</td></t<>	0.007		0.003
00074433	0.15	0.	560	0.065		0.085	< 7	0.125	1.100		0.012		0.003
00074442	0.19		490	0.100	<t< td=""><td>0.020</td><td></td><td>0.020</td><td>0.530</td><td>D</td><td>0.085</td><td></td><td>0.010</td></t<>	0.020		0.020	0.530	D	0.085		0.010
00063784	0.12		730	0.060		0.230		0.030	0.500	<t< td=""><td>0.002</td><td></td><td>0.005</td></t<>	0.002		0.005
00074462	0.22		380	0.050		0.070		0.045	1.450	<t< td=""><td>0.007</td><td></td><td>0.003</td></t<>	0.007		0.003
CY N. A. A. A. C.	0.55	RRV 3 6		T 0.020	<t< td=""><td>0.020</td><td></td><td>0.030</td><td>0.645</td><td></td><td>0.161</td><td></td><td>0.003</td></t<>	0.020		0.030	0.645		0.161		0.003
NUMBER	KEL	ZINC 3.6	50 D	0.225		0.045		0.040	0.340		0.016		0.004
		~ 114C	IR	ON 0.223	UG	0.295		0.060	0.245	<w< td=""><td>0.002</td><td></td><td>0.002</td></w<>	0.002		0.002
MG/I	L	MG/L			LEAD		173 122	0.280	0.210		0.002		0.002
00074294		110/1	MG/	L			VANA	DIUM	ALUMINUM		0.014	<	0.001
00074311	0.0002	1DT 0 01			MG/L		140 /-		MONITIVOM	COPPER			0.007
00074321	0.0009	0.01	2	0.038			MG/L		MG/L			ACIDIT	Y GRAN
00074333	0.0004		3 UG	0.306	1DT	0.005	rear I			MG/L			
00074350	0.0002	0.01	1	0.039		0.011		0.0004	0 00			UG/L	
00074375	0.0031	004	I	0.039		0.003		0.0004	0.074 UG 0.05	0.1	0021		
00074300	0.0002			0.032		0.003		0.0004	UG 0.254	1DT 0.0	0017	9	33.10
00074405	0.0002	0.012		0.044		.004		-0004	0.064	1DT 0.0	017	11	4.00
00074414	0.0002	0.006		0.018		.002		.0004	0.042	< 0.0	004	12	0.00
00074433	0.0005	0.005		0.018		-002		-0004	0.093	0.0			8.60
00074442	.0002	0.011		0.022		005	< 0	-0004	0.074 1DT 0.030	D 0.00		108	9.00
00063784	0000	0.005		0.024	0	007		.0004	0.020	0.00		52	2.60
	.0002	1DT 0.006		0.022	IDT O.	005	< 0.	0004	0.039	1DT 0.00	0.7	97	-30
0.	-0016	0.002			0.	030	٥.	0004	0.027	0.00	07		. 70
		0.021		0.010 0.025	0.	016	0.	0004	0.018	0.00	0.0	35.	.10
				1	DT 0.0	າກາ	0.0	0004	0.021 DT 0.000	1DT 0.001	10	115.	00
					15015	<	0.0	0004	DT 0.005	1DT 0.000	13	81.	
									0.017	0.003	0	84.	
											U LC	20.	
											-	20	30

SAMPLE	SUBMISSIO	N LIS	PROJECT	SUB		SA	MPLE		FXP	OSHDE	CAMDIP	CAMBIC	DDDG	DDDG				
NUMBER	NUMBER	SAMPLE	CODE	PROJECT			MOVAI	2	DAT	TE COLL	SAMPLE END	START	TYPE					EFFICIENC
		TYPE		CODE			TE		D111	- Aud	HR	HR	TIPE	AT EXP	AT REM.	TYPE	DEPTH (MM)	*
00074299	AP02132	PR	02	01	JAN	27.	1987	DEC	30	1986	1300	0900	2					
	AP02167	PR	02	01						1987		1300	3			2	33.1	0.56
00074326	AP02186	PR	02	01						1987		1315	3			2	20.2	34.46
00074342	AP02226	PR	02	01						1987		1600				2	17.0	83.34
00074364	AP02226	PR	02	01						1987		1030	3			2	38.9	79.57
00074380	AP02255	PR	02	01						1987		1300	1			2	35.0	77.97
00074397	AP02295	PR	02	01						1987		1300	1			3	45.0	60.03
00074409	AP02321	PR	02	01							1000		1			3	140.0	54.25
00074418	AP02336	PR	02	01	SEP	9.	1987	AUC	11	1007	1600	1300	1			3	70.0	86.11
00074437	AP02357	PR	02	01	OCT	6.	1987	CED	11,	1987	1300	1300	1			3	22.0	69.44
00074446	AP02407	PR	02	01						1987		1600	1		1	3	68.0	77.77
00063788	AP02412	PR	02	01						1987		1300	1			1	80.0	98.21
00074466	AP02447	PR	02	01							1130 1300	1300	3			2	85.0	83.56
SAMPLE	FIELD C	FFICE	VOLUME		ONDUC			LAB.P				1300	3			2	64.5	66.71
NUMBER	COMMENTS C		0.5.47.13.1470		,,,,,,,		-	MD.F	n		ACIDITY	.TFE	SULFAT	E.	NITE	ATE	CALCIU	M
		3	ML	UN	MHO/C	M							MG/L		MG/I		MG/L	
00074299	FIK	х	6			***	į.			****	***	*		***		****		
00074316		NH	226		36.	50			5.	10	***		4.7					***
00074326		HM	460		36.	80		UG		72	***	*	5.1			.75	1.3	
00074342			1005		28.	31				41	***	*	3.2			.16	1.6	
00074364			886		62.	67				07	***		9.7			. 61	0.3	
00074380			877		38.0	00				48	***		7.1			. 65	1.6	
00074397			2466		36.0	00				08	***					.10	1.1	
00074409			1957		33.0				2377	27	***		4.2			.49	0.2	
00074418		H	496		25.5					86	****		3.6			.37	0.3	
00074437			1717		63.0					96	****		4.2			. 58	0.7	
00074446			2551		25.0				4.		****		6.6			. 91	0.4	
00063788			2306		15.0					55	****		2.8			. 55	0.2	
00074466			1397		21.0				4.		****		1.6			.32	0.1	
									4.	43			2.20	0	0	. 49	0.2	5

DATA LISTING

CUMULATIVE SAMPLING ANALYSIS RESULTS

----- REGION=SW STATION=PALMERSTON MIC TYPE A SITE NO.1 ------PHOSPHOR MANGANESE SAMPLE CHLORIDE KJELDAHL MAGNESIUM POTASSIUM SODIUM AMMONIUM NUMBER MG/L MG/L MG/L MG/L MG/L MG/L MG/L MG/L **** *** *** **** *** **** **** *** 00074299 0.034 0.011 00074316 0.91 2.800 0.275 0.185 0.430 1.600 В **** **** *** !IR 0.405 0.210 0.515 1.800 ! IR 00074326 1.10 0.700 0.075 0.025 0.120 0.675 <T 0.009 0.004 00074342 0.18 00074364 0.34 1.670 0.315 0.090 0.085 1.670 0.015 0.020 0.019 0.270 0.045 0.050 1.750 0.010 00074380 0.20 1.800 D 0.035 <T 0.025 0.425 <T 0.004 0.001 0.450 0.045 00074397 0.10 0.005 0.002 00074409 0.430 0.055 <T 0.010 0.015 0.380 0.11 00074418 0.17 1.100 0.180 0.060 0.045 1.000 0.012 0.004 0.910 0.080 0.030 0.020 0.815 <T 0.007 0.003 00074437 <T 0.18 0.035 0.030 0.505 <W 0.002 0.001 00074446 0.08 0.540 <T 0.015 0.270 0.003 0.001 00063788 0.12 0.310 <T 0.015 0.025 0.040 <T 0.340 0.070 <T 0.010 0.055 0.290 <W 0.002 0.003 00074466 0.16 SAMPLE NICKEL ZINC IRON LEAD VANADIUM ALUMINUM COPPER ACIDITY GRAN NUMBER UG/L MG/L MG/L MG/L MG/L MG/L MG/L MG/L **** *** **** **** **** *** *** **** 00074299 0.0006 0.532 1DT 0.0056 89.80 00074316 0.0022 1DT 0.026 0.058 1DT 0.006 D В *** 00074326 **** *** *** *** **** *** 84.10 0.004 0.0004 0.028 0.0045 64.80 1DT 0.008 0.025 < 00074342 0.0002 0.0004 1DT 0.010 0.143 0.006 0.0004 0.155 0.0010 121.00 00074364 0.0007 00074380 0.0002 1DT 0.008 0.039 0.002 D 0.0005 0.065 61.60 1DT 0.0002 110.00 00074397 0.0003 1DT 0.002 0.010 1DT 0.001 0.0004 1DT 0.007 0.011 0.010 <T 0.0004 0.028 < 0.0003 78.00 00074409 0.0002 1DT 0.003 < 0.0004 0.040 0.0017 40.10 00074418 0.0002 0.009 0.039 1DT 0.004 < < 00074437 0.0002 0.005 0.021 1DT 0.035 0.0004 0.017 1DT 0.0005 143.00 1DT 0.005 0.012 0.040 0.0004 0.010 1DT 0.0004 69.20 00074446 0.0002 <

0.022

0.019

0.0004

0.0004

1DT 0.005

1DT 0.011

1DT 0.0002

1DT 0.0005

52.60

68.60

00063788

00074466 <

<

0.0002

0.0002

1DT

0.002

1DT 0.013

0.007

CUMULATIVE SAMPLING ANALYSIS RESULTS

----- REGION=SW STATION=PORT STANLEY MIC TYPE A SITE NO.1 ------SAMPLE SUBMISSION LIS PROJECT SUB SAMPLE EXPOSURE SAMPLE SAMPLE PREC. PREC. PREC. GAUGE GAUGE EFFICIENCY NUMBER NUMBER SAMPLE CODE PROJECT REMOVAL END START TYPE AT AT TYPE DEPTH (MM) % CODE DATE EXP REM. 00074296 AP02132 02 JAN 26, 1987 DEC 30, 1986 0900 PR 01 0900 3 46.1 57.86 00074312 AP02167 PR 02 01 FEB 24, 1987 JAN 26, 1987 0930 0900 3 2 10.8 60.17 00074322 AP02186 02 01 MAR 24, 1987 FEB 24, 1987 0900 0930 3 2 27.7 71.27 00074338 AP02226 02 APR 21, 1987 MAR 24, 1987 0900 0900 95.0 58.68 00074360 AP02226 MAY 19, 1987 APR 21, 1987 0900 33.0 02 01 0900 1 2 91.37 JUN 16, 1987 MAY 19, 1987 0930 00074376 AP02255 PR 02 01 0900 3 13.0 72.50 00074391 AP02279 JUL 14, 1987 JUN 16, 1987 1450 77.0 PR 02 01 0930 1 3 86.64 00074406 AP02321 02 01 AUG 11, 1987 JUL 14, 1987 0845 1450 3 113.0 94.01 00074415 AP02336 SEP 8, 1987 AUG 11, 1987 0900 0845 40.0 102.95 OCT 6, 1987 SEP 8, 1987 1130 00074434 AP02357 02 01 0900 77.0 84.68 00074443 AP02407 02 NOV 3, 1987 OCT 6, 1987 1100 48.0 101.83 PR 01 1130 00063785 AP02412 02 DEC 1, 1987 NOV 3, 1987 0845 1100 3 70.0 99.88 1 01 DEC 29, 1987 DEC 1, 1987 0930 00074463 AP02447 PR 02 0845 3 2 102.6 66.10 VOLUME CONDUCT SAMPLE FIELD OFFICE LAB.PH ACIDITY.TFE SULFATE NITRATE CALCIUM NUMBER COMMENTS COMMENTS ML UMHO/CM MG/L MG/L MG/L 00074296 866 44.10 **** 0.89 0.40 4.13 3.45 *** 00074312 211 UG 60.00 7.01 8.60 2.65 6.02 00074322 22.80 4.75 *** 641 2.70 0.68 1.08 *** 00074338 1810 48.13 0.93 4.13 6.20 0.98 00074360 979 34.13 4.95 *** 8.00 1.06 2.40 **** 00074376 306 UG 89.80 3.85 UG 13.90 2.00 2.52 57.00 **** 00074391 2166 3.93 6.10 0.85 0.46 00074406 3449 36.00 **** 0.39 4.24 4.10 0.28 *** 00074415 1337 30.50 4.36 3.35 0.53 0.68 00074434 H 2117 26.00 6.53 **** 5.95 0.79 2.30 **** 00074443 1587 27.00 UG 7.23 5.25 0.85 3.46 *** 00063785 H 2270 18.00 4.73 0.52 3.25 1.18

4.29

2.25

0.49

0.34

00074463

2202

CUMULATIVE SAMPLING ANALYSIS RESULTS

------ REGION-SW STATION-PORT STANLEY MIC TYPE A SITE NO.1 ------MANGANESE SAMPLE CHLORIDE KJELDAHL MAGNESIUM POTASSIUM SODIUM AMMONIUM PHOSPHOR NUMBER MG/L MG/L MG/L MG/L MG/L MG/L MG/L MG/L 00074296 0.38 0.570 0.040 0.035 0.065 0.510 < T 0.002 0.003 0.055 0.850 0.002 0.033 00074312 UG 1.10 1.070 1.080 0.500 <T 0.002 0.003 00074322 0.28 0.230 0.180 <T 0.020 0.105 0.185 <T 00074338 0.31 0.770 0.130 0.065 0.120 0.710 0.017 0.006 00074360 0.21 1.080 0.345 0.085 0.060 0.900 0.064 0.019 UG 0.50 1.590 0.285 0.215 0.165 UG 1.650 D 0.070 0.015 00074376 0.050 0.003 0.003 00074391 0.25 0.610 0.050 0.070 0.620 <T 0.040 0.030 0.004 0.002 00074406 0.10 0.540 <T 0.020 0.530 <T 0.005 0.003 00074415 0.14 0.340 0.055 0.030 0.035 0.270 <T 0.440 0.035 0.030 0.555 0.009 0.011 00074434 0.17 0.630 00074443 0.18 0.760 0.530 0.065 0.080 0.625 0.025 0.008 00063785 0.004 0.23 0.280 0.215 0.035 0.075 0.245 0.016 0.320 0.050 <T 0.015 0.065 0.230 <W 0.002 0.002 00074463 0.18 LEAD VANADIUM ALUMINUM COPPER ACIDITY GRAN SAMPLE NICKEL ZINC IRON NUMBER UG/L MG/L MG/L MG/L MG/L MG/L MG/L MG/L 0.0016 108.00 00074296 0.0005 1DT 0.021 0.038 0.006 0.0004 0.057 00074312 0.0052 1DT 0.015 0.668 0.016 0.0006 UG 0.241 1DT 0.0013 17.30 0.078 0.003 0.0004 1DT 0.0010 43.40 00074322 0.0005 1DT 0.007 < 0.068 0.006 0.0004 0.0027 104.00 00074338 0.0004 1DT 0.008 0.062 0.064 00074360 0.0002 1DT 0.024 0.124 1DT 0.003 0.0004 0.150 1DT 0.0005 LG 38.50 < 1DT 0.012 0.131 1DT 0.003 0.0007 0.198 0.0032 UG 197.00 00074376 0.0009 00074391 0.0004 1DT 0.009 0.024 1DT 0.003 0.0004 0.025 0.0009 143.00 00074406 0.0002 1DT 0.003 0.014 0.005 0.0004 0.028 1DT 0.0002 86.60 < 0.0005 0.003 0.026 0.002 0.0004 0.037 0.0011 73.90 00074415 < 0.0002 0.002 0.028 0.018 0.0004 1DT 0.014 1DT 0.0003 LG 18.40 00074434 0.004 0.050 0.0005 0.0009 15.70 0.0014 0.023 1DT 0.023 LG 00074443 00063785 0.0002 0.001 0.030 0.012 0.0004 1DT 0.011 1DT 0.0004 42.30

1DT 0.002

0.0004

0.013

1DT 0.0004

85.40

00074463

0.0002

1DT 0.004

SAMPLE NUMBER	SUBMISSIO NUMBER	N LIS SAMPLE	PROJECT				AMPLE		EXE	OSURE	SAMPLE	SAMPLE	PREC.	PREC.	PREC.	GAUGE	GAUGE	EFFICIENC
NOTIBER	NOMBER	TYPE	CODE	PROJE	CT		EMOVAL ATE	io.	DAT	E	END HR	START HR	TYPE	AT EXP	AT REM.	TYPE	DEPTH (MM)	
00074300	AP02132	PR	02	01	JAN	28,	1987	DEC	31.	1986	0800	1630	2		ĭ	2		22 25
00074315	AP02167	PR	02	01						1987		0800	3	1	1	2	46.4	62.20
00074325	AP02186	PR	02	01						1987		0800	3	1		2	35.9	51.05
00074341	AP02226	PR	02	01						1987		0800	3			2	24.0	77.26
00074363	AP02226	PR	02	01						1987		1230	1			2	117.4	36.99
00074379	AP02255	PR	02	01						1987		0730	574			2	30.0	96.30
00040694	AP02255	PR	02	01						1987	1030		1			3	58.0	95.75
00040872	AP02279	PR	02	01						1987	0935	0830	1			2	123.0	89.57
00040943	AP02309	PR	02	01			1987					1030	1			3	56.5	83.35
00040959	AP02330	PR	02	01			1987				0830	0935	1			3	51.5	81.75
00084003	AP02374	PR	02	01						1987	1300	0835	1		1	3	175.0	72.46
00040977	AP02397	PR	02	01							0830	1300	1			9	98.1	91.40
00084018	AP02430	PR	02	01			1987				0800	0830	3	1		2	10.5	395.41
			VOLUME		CONDUC						1100	0700	3			9	78.8	81.30
	COMMENTS C	30.74.190.00.990.	VOLUME		CONDUC	1	,	AB.P	н		ACIDITY	.TFE	SULFAT	E	NITE	LATE	CALCIU	JM
			ML		UMHO/C	М							MG/L		MG/I		MG/L	
00074300			937		1	23.4	40		4.	.42	***	*		1.30		0 66		tar one
00074315		HM	595			27.0	00			30	***	*				0.66		0.14
00074325			602			25.1	10			32	***			1.90		0.87	2355	0.48
00074341		N	1410			47.5		D		08	***		D	1.65		0.45	<t< td=""><td>0.06</td></t<>	0.06
00074363			938			15.8				19	***		D	4.80		0.97		0.30
00074379			1803			13.9				01	***			6.75		1.11		1.02
00040694	A	HM	3577			27.6				21	***			5.30		0.75		0.38
00040872	F		1529			20.2				49	***			2.65		0.40		0.28
00040943	ACDFJ		1367			76.5				85				2.30		0.40		0.24
00040959	A		4117			6.5					***			9.65		1.20		1.04
00084003	JP	HM	2911			3.0				24	***			4.00		0.56		0.40
00040977	GFA		1348			7.0			4.		****			3.15		0.66		0.26
00084018			2080						4.		****			1.60		0.42		0.12
			2000		1	6.5	U		4.	49	****	k/.		1.10	1	0.31	<t< td=""><td>0.06</td></t<>	0.06

ONTARIO MINISTRY OF THE ENVIRONMENT APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY DATA LISTING CUMULATIVE SAMPLING ANALYSIS RESULTS

SAMPLE NUMBER	CHLORI	DE	KJELDAHL		NESIUM		ASSIUM	SOD			ONIUM		SPHOR		NGANESE
00074300	MG/L		MG/L	MG/	L	MG/	E.	MG/	L	MG/	L	MG/		MG	
00074300 00074315 00074325 00074341 00074363 00074379 00040694 00040872 00040959 00084003 00040977 00084018 SAMPLE NUMBER	<t< td=""><td></td><td>0.410 0.720 0.180 0.930 1.360 0.820 0.350 0.420 1.480 0.560 0.540 0.450 0.200</td><td><t <t IRON</t </t </td><td>0.035 0.045 0.015 0.055 0.180 0.070 0.040 0.040 0.295 0.050 0.060 0.020 0.010</td><td><t <t <w <t <w< td=""><td>0.010 0.010 0.005 0.045 0.085 0.020 0.010 0.005 0.215 0.035 0.015 0.040</td><td><w <t <t< td=""><td>0.100 0.100 0.075 0.100 0.070 0.040 0.005 0.010 0.090 0.025 0.050 0.040 0.040</td><td></td><td>0.340 0.615 0.095 0.900 1.150 0.820 0.315 0.330 1.300 0.555 0.460 0.345 0.070 INUM</td><td><t <<="" <t="" td=""><td>0.007 0.011 0.015 0.033 0.005 0.007 0.005 0.008 0.002 0.005 0.004 0.003</td><td>< < <</td><td>0.00</td></t></td></t<></t </w </td></w<></t </w </t </t </td></t<>		0.410 0.720 0.180 0.930 1.360 0.820 0.350 0.420 1.480 0.560 0.540 0.450 0.200	<t <t IRON</t </t 	0.035 0.045 0.015 0.055 0.180 0.070 0.040 0.040 0.295 0.050 0.060 0.020 0.010	<t <t <w <t <w< td=""><td>0.010 0.010 0.005 0.045 0.085 0.020 0.010 0.005 0.215 0.035 0.015 0.040</td><td><w <t <t< td=""><td>0.100 0.100 0.075 0.100 0.070 0.040 0.005 0.010 0.090 0.025 0.050 0.040 0.040</td><td></td><td>0.340 0.615 0.095 0.900 1.150 0.820 0.315 0.330 1.300 0.555 0.460 0.345 0.070 INUM</td><td><t <<="" <t="" td=""><td>0.007 0.011 0.015 0.033 0.005 0.007 0.005 0.008 0.002 0.005 0.004 0.003</td><td>< < <</td><td>0.00</td></t></td></t<></t </w </td></w<></t </w </t </t 	0.010 0.010 0.005 0.045 0.085 0.020 0.010 0.005 0.215 0.035 0.015 0.040	<w <t <t< td=""><td>0.100 0.100 0.075 0.100 0.070 0.040 0.005 0.010 0.090 0.025 0.050 0.040 0.040</td><td></td><td>0.340 0.615 0.095 0.900 1.150 0.820 0.315 0.330 1.300 0.555 0.460 0.345 0.070 INUM</td><td><t <<="" <t="" td=""><td>0.007 0.011 0.015 0.033 0.005 0.007 0.005 0.008 0.002 0.005 0.004 0.003</td><td>< < <</td><td>0.00</td></t></td></t<></t </w 	0.100 0.100 0.075 0.100 0.070 0.040 0.005 0.010 0.090 0.025 0.050 0.040 0.040		0.340 0.615 0.095 0.900 1.150 0.820 0.315 0.330 1.300 0.555 0.460 0.345 0.070 INUM	<t <<="" <t="" td=""><td>0.007 0.011 0.015 0.033 0.005 0.007 0.005 0.008 0.002 0.005 0.004 0.003</td><td>< < <</td><td>0.00</td></t>	0.007 0.011 0.015 0.033 0.005 0.007 0.005 0.008 0.002 0.005 0.004 0.003	< < <	0.00
00074300	0 (MG/L		MG/L		MG/L		MG/L		MG/L		UG/	L
00074315 00074325 00074341 00074363 00074379 00040694 00040872 00040943 00040959 0084003 0040977	0.0 < 0.0 D 0.0	10040 11 10002 11 10002 11 10002 12 10002 12 10002 12 10002 <	DT 0.007 DT 0.008 DT 0.008 DT 0.006 DT 0.008 DT 0.002 DT 0.001 0.002 DT 0.011 0.002 0.007 0.002 0.007	000000000000000000000000000000000000000	.017 .045 .004 .023 .113 .020 .009 .012 .053 .024 .021 .007	1DT 1DT	0.003 0.003 0.003 0.004 0.004 0.002 0.001 0.001 0.003 0.001 0.012 0.006 0.005	<pre>< c c c c c c c c c c c c c c c c c c c</pre>	0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0004 0.0007 0.0004 0.0004 0.0004	1DT <	0.031 0.033 0.025 0.030 0.113 0.032 0.043 0.008 0.036 0.016 0.005 0.005	1DT 1DT	0.0012 0.0005 0.0008 0.0022 0.0013 0.0009 0.0007 0.0009 0.0011 0.0015 0.0009	D D	59.20 78.00 77.20 114.00 94.70 114.00 74.40 55.00 182.00 90.40 75.60 55.40 59.70

ONTARIO MINISTRY OF THE ENVIRONMENT

APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY DATA LISTING

CUMULATIVE SAMPLING ANALYSIS RESULTS

----- REGION-SW STATION-WATERLOO MIC TYPE A SITE NO.1 ------SAMPLE SUBMISSION LIS PROJECT SUB SAMPLE EXPOSURE SAMPLE SAMPLE PREC, PREC, PREC, GAUGE GAUGE EFFICIENCY NUMBER NUMBER SAMPLE CODE REMOVAL PROJECT DATE END START TYPE AT AT TYPE DEPTH (MM) % CODE DATE EXP REM. 00074303 AP02132 01 JAN 27, 1987 DEC 30, 1986 0900 PR 02 1400 3 2 52.1 63.79 00074319 AP02167 PR 02 01 FEB 24, 1987 JAN 27, 1987 0900 0900 3 18.8 67.01 2 00074329 AP02186 PR 02 01 MAR 24, 1987 FEB 24, 1987 1000 0900 3 26.4 71.75 00074345 AP02226 PR 02 01 APR 21, 1987 MAR 24, 1987 0930 1000 66.12 MAY 19, 1987 APR 21, 1987 1800 00074367 AP02226 02 01 0930 2 39.0 69.66 00074383 AP02255 02 JUN 16, 1987 MAY 19, 1987 0840 PR 01 1800 25.0 121.48 3 00074396 AP02279 PR 02 01 JUL 14, 1987 JUN 16, 1987 1430 0840 3 186.0 77.45 1 AUG 11, 1987 JUL 14, 1987 0840 00074412 AP02321 PR 02 01 1430 3 178.0 84.67 SEP 8, 1987 AUG 11, 1987 1325 00074421 AP02336 02 01 0840 28.0 80.08 OCT 6, 1987 SEP 8, 1987 0845 00074440 AP02357 02 1330 123.0 62.83 3 00074449 AP02407 PR 02 01 NOV 3, 1987 OCT 6, 1987 0930 0845 1 40.0 169.40 DEC 1, 1987 NOV 3, 1987 0915 00063791 AP02412 02 01 0930 3 67.3 87.82 00074469 AP02447 PR 02 01 DEC 29, 1987 DEC 1, 1987 0830 0915 3 2 74.95 94.1 OFFICE VOLUME CONDUCT LAB.PH NITRATE SAMPLE FIELD ACIDITY.TFE SULFATE CALCIUM NUMBER COMMENTS COMMENTS UMHO/CM MG/L MG/L MG/L 00074303 1079 23.20 4.47 **** 1.45 0.59 0.30 **** 00074319 409 31.50 4.25 2.50 0.79 0.34 **** 615 24.00 4.40 00074329 1.95 0.43 0.14 29.09 **** 00074345 1960 4.30 3.05 0.54 0.32 00074367 H 882 44.73 4.43 *** 8.85 AC 1.34 2.48 *** 00074383 N 986 53.40 4.03 6.75 1.20 1.12 !LA **** !LA **** !LA 00074396 4677 **** **** **** ! LA **** !LA 4893 44.00 4.19 **** 5.25 00074412 0.58 0.66 728 25.00 *** 00074421 4.63 3.60 0.59 0.74 2509 55.00 **** 00074440 4.02 5.95 0.66 0.38 00074449 2200 25.00 4.49 *** 3.15 0.60 0.50 *** 00063791 1919 14.00 4.48 1.45 I.G 0.23 0.14 ***

6.40

2.40

0.36

0.76

00074469

2290

ONTARIO MINISTRY OF THE ENVIRONMENT

APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

DATA LISTING

					REGIO	N=SW STAT	ION-WA	TERLOO MI	C TYP	E A SITE N	0.1					
SAMPLE NUMBER	CHI	JORIDE	KJEI	DAHL	MAGN	ESIUM	POTA	SSIUM	SOD	IUM	AMMO	NIUM	PHO	SPHOR	MANO	GANESE
	MG/	L	MG/I		MG/L		MG/L		MG/	L	MG/I		MG/	L	MG/1	5
00074303		0.30		0.320		0.055	< T	0.015		0.085		0.270	<t< td=""><td>0.005</td><td></td><td>0.002</td></t<>	0.005		0.002
00074319		0.33		0.590		0.055		0.025		0.135		0.430	<t< td=""><td>0.006</td><td></td><td>0.003</td></t<>	0.006		0.003
00074329		0.29		0.300		0.040	< T	0.005		0.050		0.200	<t< td=""><td>0.007</td><td></td><td>0.001</td></t<>	0.007		0.001
00074345		0.14		0.490		0.060	< T	0.020		0.080		0.430	<t< td=""><td>0.007</td><td></td><td>0.002</td></t<>	0.007		0.002
00074367		0.30		1.460		0.435		0.100		0.100		1.460		0.014		0.020
00074383		0.25		1.140		0.200		0.055		0.055		1.150	<t< td=""><td>0.008</td><td></td><td>0.011</td></t<>	0.008		0.011
00074396	! L.P	****	!IS	****	! LA	****	!LA	***	!LA	****	!LA	****	!IS	****	!LA	****
00074412		0.15		0.670		0.100	<t< td=""><td>0.015</td><td></td><td>0.030</td><td></td><td>0.630</td><td><t< td=""><td>0.008</td><td></td><td>0.004</td></t<></td></t<>	0.015		0.030		0.630	<t< td=""><td>0.008</td><td></td><td>0.004</td></t<>	0.008		0.004
00074421		0.19		0.720		0.145		0.040		0.050		0.650	<t< td=""><td>0.009</td><td></td><td>0.005</td></t<>	0.009		0.005
00074440		0.14		0.720		0.065		0.030	<t< td=""><td>0.015</td><td></td><td>0.655</td><td><t< td=""><td>0.004</td><td></td><td>0.003</td></t<></td></t<>	0.015		0.655	<t< td=""><td>0.004</td><td></td><td>0.003</td></t<>	0.004		0.003
00074449		0.11		0.600		0.075		0.050		0.090		0.545		0.012		0.003
00063791		0.08		0.160	<t< td=""><td>0.020</td><td><w< td=""><td>0.005</td><td></td><td>0.025</td><td></td><td>0.135</td><td><w< td=""><td>0.002</td><td><</td><td>0.001</td></w<></td></w<></td></t<>	0.020	<w< td=""><td>0.005</td><td></td><td>0.025</td><td></td><td>0.135</td><td><w< td=""><td>0.002</td><td><</td><td>0.001</td></w<></td></w<>	0.005		0.025		0.135	<w< td=""><td>0.002</td><td><</td><td>0.001</td></w<>	0.002	<	0.001
00074469		0.52	RRV	1.570		0.165		0.185		0.295		0.280	<t< td=""><td>0.003</td><td></td><td>0.006</td></t<>	0.003		0.006
SAMPLE NUMBER	NIC	KEL	ZINC		IRON		LEAD		VAN	ADIUM	ALUM	IINUM	COPI	PER	ACID	ITY GRAN
	MG/	L	MG/L		MG/L		MG/L		MG/	L	MG/I		MG/I	E .	UG/I	ku .
00074303		0.0002	1DT	0.006		0.027	1DT	0.003		0.0004		0.036		0.0012		62.10
00074319	<	0.0002	1DT	0.021		0.059	1DT	0.005	<	0.0004	1DT	0.058	1DT	0.0014		83.60
00074329	<	0.0004	1DT	0.006		0.143	<	0.003		0.0004		0.031		0.0026		69.60
00074345	<	0.0002	1DT	0.003		0.026		0.003	<	0.0004		0.063		0.0009		77.50
00074367		0.0004	1DT	0.009		0.146		0.003	<	0.0004		0.175		0.0005		70.30
00074383		0.0002	1DT	0.005		0.061		0.002	<	0.0004		0.097		0.0015		113.00
00074396	!LA	***	! LA	****	! LA	****	! LA	****	! LA	****	! LA	****	! LA	****	! LA	****
00074412	<	0.0002	1DT	0.004		0.025		****	<	0.0004		0.042	1DT	0.0008		98.10
00074421		0.0006		0.010		0.052		0.010	<	0.0004		0.062		0.0013		49.10
00074440	<	0.0002		0.008		0.018		0.010	<	0.0004		0.022		0.0009		129.00
00074449		0.0009	1DT	0.005		0.026		0.007	<	0.0004		0.011		0.0006		62.00
00063791	<	0.0002	<	0.002		0.009	1DT	0.001	<	0.0004	<	0.008	<	0.0003		55.00
00074469		0.0013	1DT	0.014		0.028		0.009	<	0.0004		0.018		0.0065		21.90

SAMPLE	SUBMISSION	TTS	PROJECT	SHR		42	MPLE		FYD	OSHDE	SAMPLE	SAMPIF	DDFC	PPFC	PDFC	CAUCE	CAUCE	EFFICIENCY
NUMBER	NUMBER SAMPLE			PROJECT			REMOVAL		DATE		END		TYPE.	AT	AT	TYPE	DEPTH (MM)	
HOLLDER	HOLLDER	TYPE		CODE		DA			2112		HR	HR		EXP	REM.		D. 111 (1111)	-
00074297	AP02132	PR	02	01	JAN	27,	1987	DEC	30,	1986	1340	1700	2			9	36.1	57.59
00074313	AP02167	PR	02	01	FEB	24,	1987	JAN	27,	1987	1045	1340	3			2	5.4	66.16
00074323	AP02186	PR	02	01	MAR	24,	1987	FEB	24,	1987	1000	1045	3			2	25.0	64.06
00074339	AP02226	PR	02	01	APR	21,	1987	MAR	24,	1987	1530	1000	3			2	85.2	45.73
00074361	AP02226	PR	02	01	MAY	19,	1987	APR	21,	1987	1000	1545	1			2	22.0	94.36
00074377	AP02255	PR	02	01	JUN	16,	1987	MAY	19,	1987	1400	1000	1			3	28.0	85.14
00074392	AP02279	PR	02	01	JUL	14,	1987	JUN	16,	1987	1500	1400	1			3	98.0	81.93
00074407	AP02321	PR	02	01	AUG	11,	1987	JUL	14,	1987	1000	1500	1			3	97.0	89.22
00074416	AP02336	PR	02	01	SEF	8,	1987	AUG	11,	1987	1030	1000	1			3	60.0	78.54
00074435	AP02357	PR	02	01	OCT	6,	1987	SEE	8,	1987	1430	1030	1			3	107.0	69.95
00074444	AP02407	PR	02	01	NOV	3,	1987	OCT	6,	1987	1030	1430	1			1	60.0	5.80
00063786	AP02412	PR	02	01	DEC	1,	1987	NOV	13,	1987	1015	1030	3			2	35.5	3.47
00074464	AP02447		02	01	DEC	29,	1987	DEC	1,	1987	0000	1015	3			2	70.2	4.26
SAMPLE	FIELD O	FFICE	VOLUME		CONDUC	T		LAB.E	Н		ACIDITY	TFE.	SULFA:	ΓE	NIT	RATE	CALCI	UM
NUMBER	COMMENTS C	OMMENTS																
			ML		UMHO/C	M							MG/L		MG/	L	MG/L	
00074297	P		675	i	3	2.2	0		4.	32	***	*		2.60		0.69	9	0.32
00074313			116	5	5	7.0	0	В	7.	19	* * *			6.90	UG	2.20)	5.70
00074323			520)	2	1.6	0		4.	73	***	*		2.40		0.69	9	0.98
00074339	G		1265	i	3	2.8	4		4.	34	***	*		3.70		0.5	7	0.56
00074361			674	1	5	7.0	7		4.	56	***	*	UG :	12.70	UG	1.90)	3.26
00074377			774	1	4	6.45	5		4.	05	* * *	*		6.25		0.85	5	0.80
00074392			2607	7	4	6.50	0		4.1	04	* * *	*		5.10		0.70)	0.30
00074407			2810)	5	0.00	0		4.	12	***	rw:		5.65		0.70)	0.62
00074416	CDF	M	1530)	7	2.50	0	В	7.	68	***	*		6.30		0.67	7	0.60
00074435	AF		2430)	7	4.00	0		3.1	88	***	*		7.95		1.10	D D	0.74
00074444	G	H	113	E.	2	7.00	0		4.	42	***	*		3.70		0.76	5 D	1.00
00063786	G		40)	!NR	* 1	***	! NR	9	***	***	*	!NR	***	!NR	**	*** !NR	***
00074464	G	X	97	ři.		* 1	***		,	***	***	*		***		**	***	****

ONTARIO MINISTRY OF THE ENVIRONMENT

APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY DATA LISTING

CUMULATIVE SAMPLING ANALYSIS RESULTS

----- REGION-SW STATION-WILKESPORT MIC TYPE A SITE NO.1 -----

CHI	ORIDE	KJE1	LDAHL	MAGN	ESIUM	POT?	ASSIUM	sol	DIUM	AMMO	MUIN	PHO	SPHOR	MAN	GANESE
MG/L		MG/L		MG/L		MG/L		MG	/L	MG/L		MG/L		MG/L	
	0.40		0.600		0.050		0.050		0.110	D	0.490		0.011		0.004
UG	1.40		1.170	D	0.860		0.045		0.640		0.950	<t< td=""><td>0.006</td><td></td><td>***</td></t<>	0.006		***
	0.25		0.280		0.210	<t< td=""><td>0.020</td><td></td><td>0.070</td><td></td><td>0.230</td><td><t< td=""><td>0.005</td><td></td><td>0.008</td></t<></td></t<>	0.020		0.070		0.230	<t< td=""><td>0.005</td><td></td><td>0.008</td></t<>	0.005		0.008
D	0.56		0.540		0.085	D	0.160	D	0.340		0.470	<t< td=""><td>0.008</td><td></td><td>0.003</td></t<>	0.008		0.003
	0.69	UG	3.350		0.490		0.370		0.225		2.420		0.128		0.021
	0.25		0.800		0.165		0.065		0.090		0.775	<t< td=""><td>0.008</td><td></td><td>0.007</td></t<>	0.008		0.007
	0.15		0.480		0.075		0.070		0.025		0.490	<t< td=""><td>0.006</td><td></td><td>0.004</td></t<>	0.006		0.004
	0.23		0.710		0.125		0.050		0.035		0.670		0.010		0.005
В	1.93	U	7.750		0.180	U	1.140		0.090	U	7.500	U	0.735	<	0.001
	0.31		1.000	D	0.130		0.085		0.035		0.820		0.022		0.005
	0.32	!IS	****		0.125		0.085		0.090		0.640	!IS	****		***
!NR	***	! NR	****	!NR	****	! NR	****	!NI	2 ****	INR	***	!NR	***		***
	***		****		****		***		***		****		****		****
SAMPLE NICKEI		VICKEL ZINC		IRON		LEAD		VANADIUM		ALUMINUM		COPPER		ACII	DITY GRAN
MG/	L	MG/I		MG/L		MG/I		MG,	/L	MG/I		MG/	L	UG/	L _c
D		1DT				<		D				В	0.0153		80.40
														LG	17.30
						D	0.014		0.0005	0	.058		0.0013		43.30
	7 THE RESERVE	3500						<	0.0004	0	.049	1DT	0.0010		76.90
	U. S. C.	1DT					0.004		0.0005	0	.130		0.0013		67.40
D	0.0004	1DT	0.005		(2) 하다하다.	<	0.002	<	0.0004	0	.115		0.0012		114.00
	0.0005	1DT	0.007	0	.027	1DT	0.003	<	0.0004	0	.028	1DT	0.0004		119.00
<	0.0002	1DT	0.008	0	.045		0.010		0.0004	0	.055	1DT	0.0019		110.00
	0.0004		0.024	0	.058	<	0.002		0.0007	0	.055	D	0.0050	LG	9.36
D	0.0007	1DT	0.007	0			0.013		0.0007	0			0.0015		169.00
	****		****		***		***		***		***		***		74.90
	****		****		****		***		****		****		****	! NR	****
	****		***		****		***		***		****		****		***
	MG/UG D B !NR NIC MG/D D D <	0.40 UG 1.40 0.25 D 0.56 0.69 0.25 0.15 0.23 B 1.93 0.31 0.32 !NR **** NICKEL MG/L D 0.0025 **** 0.0003 0.0007 0.0011 D 0.0004 0.0005 < 0.0002 0.0004 D 0.0007	MG/L MG/1 0.40 0.40 0.25 0.69 0.25 0.15 0.23 B 1.93 U 0.31 0.32 !IS !NR **** !NR **** NICKEL ZINC MG/L MG/I D 0.0025 1DT 0.0003 0.0007 1DT 0.0005 1DT 0.0004 1DT 0.0005 1DT 0.0004 1DT 0.0005 1DT 0.0004 1DT 0.0005 1DT 0.0004 1DT 0.0005 1DT **** ****	MG/L 0.40 0.600 0.600 0.1.40 0.25 0.280 0.56 0.540 0.69 0.69 0.3350 0.25 0.800 0.15 0.480 0.23 0.710 0.32 0.31 0.32 1.000 0.32 !IS **** NICKEL ZINC MG/L MG/L MG/L MG/L MG/L D 0.0025 1DT 0.008 0.0011 1DT 0.007 0.0005 1DT 0.007 0.0005 0.0001 1DT 0.007 0.0007 1DT 0.007 0.0007 1DT 0.008 0.0001 0.0007 1DT 0.008 0.0001 0.0007 1DT 0.008 0.0001 0.0007 1DT 0.008 0.0001 0.0007 1DT 0.008 0.0004 0.0007 1DT 0.007 **** **** ****	MG/L MG/L MG/I 0.40 0.600 UG 1.40 1.170 D 0.25 0.280 D 0.56 0.540 0.69 UG 3.350 0.25 0.800 0.15 0.480 0.23 0.710 B 1.93 U 7.750 0.31 1.000 D 0.32 !IS **** !NR **** !NR **** !NR **** !NR **** !NR **** INR **** !NR MG/L ZINC IRON MG/L MG/L MG/L D 0.0025 1DT 0.023 0 0.0007 1DT 0.008 0 0.0011 1DT 0.017 0 0.0005 1DT 0.005 0 0.0005 1DT 0.006 0 0.0006 0.0007 1DT 0.008 0 0.0007 1DT 0.008 0 0.0007 1DT 0.008 0 0.0006 0.0007 1DT 0.008 0 0.0007 1DT 0.008 0 0.0007 1DT 0.008 0 0.0006 0.0007 1DT 0.008 0 0.0007 1DT 0.007 0 < 0.0002 1DT 0.008 0 0.0004 0.0024 0 0.0004 0.0024 0 0.0007 1DT 0.007 0 ****	MG/L 0.40 0.600 0.050 0.25 0.280 0.210 0.56 0.540 0.25 0.800 0.15 0.15 0.480 0.25 0.280 0.15 0.15 0.480 0.075 0.23 0.710 0.125 0.31 0.31 0.32 1.000 0.32 1!S 1NR	MG/L MG/L MG/L MG/L 0.40 0.600 0.050 UG 1.40 1.170 D 0.860 0.25 0.280 0.210 <t !is="" !nr="" ****="" ****<="" 0.075="" 0.085="" 0.125="" 0.130="" 0.15="" 0.165="" 0.180="" 0.23="" 0.25="" 0.31="" 0.32="" 0.480="" 0.490="" 0.540="" 0.56="" 0.69="" 0.710="" 0.800="" 1.000="" 1.93="" 3.350="" 7.750="" b="" d="" td="" u="" ug=""><td>MG/L MG/L MG/L MG/L 0.40 0.600 0.050 0.050 UG 1.40 1.170 D 0.860 0.045 0.25 0.280 0.210 <t< td=""> 0.020 D 0.56 0.540 0.085 D 0.160 0.69 UG 3.350 0.490 0.370 0.25 0.800 0.165 0.065 0.15 0.480 0.075 0.070 0.23 0.710 0.125 0.050 B 1.93 U 7.750 0.180 U 1.140 0.31 1.000 D 0.130 0.085 1NR **** 1NR **** 1NR **** NICKEL ZINC IRON LEAD **** MG/L MG/L MG/L MG/L MG/L MG/L MG/L MG/L **** **** **** **** **** **** ****</t<></td><td>MG/L MG/L <th< td=""><td>MG/L MG/L <th< td=""><td>MG/L MG/L <th< td=""><td>MG/L MG/L MG/L MG/L MG/L MG/L MG/L MG/L</td><td>MG/L MG/L <th< td=""><td>MG/L</td><td>MG/L MG/L MG/L MG/L MG/L MG/L MG/L MG/L</td></th<></td></th<></td></th<></td></th<></td></t>	MG/L MG/L MG/L MG/L 0.40 0.600 0.050 0.050 UG 1.40 1.170 D 0.860 0.045 0.25 0.280 0.210 <t< td=""> 0.020 D 0.56 0.540 0.085 D 0.160 0.69 UG 3.350 0.490 0.370 0.25 0.800 0.165 0.065 0.15 0.480 0.075 0.070 0.23 0.710 0.125 0.050 B 1.93 U 7.750 0.180 U 1.140 0.31 1.000 D 0.130 0.085 1NR **** 1NR **** 1NR **** NICKEL ZINC IRON LEAD **** MG/L MG/L MG/L MG/L MG/L MG/L MG/L MG/L **** **** **** **** **** **** ****</t<>	MG/L MG/L <th< td=""><td>MG/L MG/L <th< td=""><td>MG/L MG/L <th< td=""><td>MG/L MG/L MG/L MG/L MG/L MG/L MG/L MG/L</td><td>MG/L MG/L <th< td=""><td>MG/L</td><td>MG/L MG/L MG/L MG/L MG/L MG/L MG/L MG/L</td></th<></td></th<></td></th<></td></th<>	MG/L MG/L <th< td=""><td>MG/L MG/L <th< td=""><td>MG/L MG/L MG/L MG/L MG/L MG/L MG/L MG/L</td><td>MG/L MG/L <th< td=""><td>MG/L</td><td>MG/L MG/L MG/L MG/L MG/L MG/L MG/L MG/L</td></th<></td></th<></td></th<>	MG/L MG/L <th< td=""><td>MG/L MG/L MG/L MG/L MG/L MG/L MG/L MG/L</td><td>MG/L MG/L <th< td=""><td>MG/L</td><td>MG/L MG/L MG/L MG/L MG/L MG/L MG/L MG/L</td></th<></td></th<>	MG/L MG/L MG/L MG/L MG/L MG/L MG/L MG/L	MG/L MG/L <th< td=""><td>MG/L</td><td>MG/L MG/L MG/L MG/L MG/L MG/L MG/L MG/L</td></th<>	MG/L	MG/L MG/L MG/L MG/L MG/L MG/L MG/L MG/L

PART VIII

QUÉBEC INTERCOMPARISON SITE LISTINGS

SAMPLE	SUBMISSION	N LIS	PROJECT	SUB		SA	MPLE		EXP	OSURE	SAMPLE	SAMPLE	PREC.	PREC.	PREC.	GAUGE	GAUGE	EFFICIENCY
NUMBER	NUMBER	SAMPLE	CODE	PROJEC	T	RE	MOVAL	DATE		E	END	START	TYPE	AT	AT	TYPE	DEPTH (MM)	*
		TYPE		CODE		DA	TE				HR	HR	200	EXP	REM.			
00075075	AP02121	PR	02	01	JAN	31,	1987	DEC	30,	1986	1305	1040	2		1	2	80.0	65.68
00075090	AP02135	PR	02	01	FEB	24,	1987	JAN	31,	1987	1035	1315	2	1		2	26.0	76.41
00075104	AP02173	PR	02	01	MAR	24,	1987	FEB	24,	1987	1114	1050	3			2	36.0	72.55
00075119	AP02190	PR	02	01	APR	21,	1987	MAR	24,	1987	1000	1125	3			2	4.1	172.03
00075133	AP02219	PR	02	01	MAY	19,	1987	APR	21,	1987	0920	1015	3			9	32.8	151.56
00075155	AP02238	PR	02	01	JUN	16,	1987	MAY	19,	1987	1130	0940	1			9	102.5	140.57
00075173	AP02255	PR	02	01	JUL	14,	1987	JUN	16,	1987	0815	1130	1			9	69.3	55.33
00075188	AP02279	PR	02	01	AUG	11,	1987	JUL	14,	1987	0940	0945	1			9	113.6	38.64
00075203	AP02321	PR	02	01	SEP	8,	1987	AUG	11,	1987	0900	0940	1			1	38.0	70.35
00075225	AP02346	PR	02	01	OCI	6,	1987	SEE	8,	1987	0935	0915	3			2	157.0	89.30
00075240	AP02374	PR	02	01	NOV	3,	1987	OCI	6,	1987	1005	0955	3		1	1	71.0	96.39
00075262	AP02397	PR	02	01	DEC	1,	1987	NOV	3,	1987	0940	1020	3			9	90.9	100.06
00075287	AP02439	PR	02	01	DEC	29,	1987	DEC	1,	1987	1055	0950	3		1	9	52.1	69.11
SAMPLE	FIELD C	ELD OFFICE VOLUME		CONDUCT LAB.PH					ACIDITY	TFE.	SULFATE		NIT	RATE	CALCI	CALCIUM		
NUMBER	COMMENTS C	COMMENTS																
			ML		UMHO/C	M							MG/L		MG/	L	MG/L	
00075075		2	170€	5		17.	60		4	.53	***			0.95		0.4	42	0.14
00075090		Z	645	Š		37.1	80		4	.08	***	* *		1.70		1.0	05	0.16
00075104			848	3		14.0	00		4	. 47	***	*		1.30		0.3	26	0.10
00075119	IFA	C	229	9	U	8.0	00		3	. 90	***	* *	UG	4.55		1.0	06	0.14
00075133	ACP		1614	1		36.	50		4	.32	***	*		5.15		0.8	33 UG	1.08
00075155	Q	NHM	4678	3		53.5	56	UG	7	.52	* * *	*		4.95		0.4	46	0.18
00075173	DCA	HM	1245	i		30.	40	UG	7	. 22	***	r#		3.40		0.4	40 <t< td=""><td>0.10</td></t<>	0.10
00075188	C	NHM	1425	j		24.	90		4	.30	***	*		2.80	<t< td=""><td>0.0</td><td>05</td><td>0.12</td></t<>	0.0	05	0.12
0075203			868	3		22.0	00		4	.49	***	* *		2.50		0.3	28	0.30
00075225			4552	2		15.0	00		4	. 54	***	*		1.45		0.3	25	0.12
0075240		M	2222	2		28.0	00		4	.34	***	*		1.90		0.5	57 <t< td=""><td>0.06</td></t<>	0.06
0075262	A		2953	É		24.0	00		4.	.46	***	*		1.85		0.5	55	0.32
0075287			1169			32.5	50		Δ	.14	***	*		1.90		0.8	9.2	0.18

CUMULATIVE SAMPLING ANALYSIS RESULTS

REGION=Z STATION=SUTTON MIC TYPE A SITE NO.1 -----AMMONIUM PHOSPHOR MANGANESE MAGNESIUM POTASSIUM SODIUM SAMPLE CHLORIDE KJELDAHL NUMBER MG/L MG/L MG/L MG/L MG/L MG/L MG/L MG/L 0.004 0.007 0.16 0.300 0.005 <T 0.025 0.070 0.235 <T 00075075 <T 0.015 0.020 0.135 0.355 <W 0.002 0.003 00075090 0.30 0.430 <T <T 0.001 0.010 0.010 0.065 0.055 0.005 00075104 0.09 0.140 0.004 0.38 0.760 0.025 0.040 0.195 0.410 0.020 00075119 0.760 0.016 UG 0.029 0.200 0.065 0.090 00075133 0.21 0.950 **** 0.790 0.225 U 10.000 0.194 0.003 1 CR 0.030 U 00075155 0.42 0.001 UG 5.650 0.010 0.410 0.025 3.200 0.285 < 00075173 0.30 <T 0.290 0.002 0.001 0.020 0.015 0.005 00075188 0.05 0.350 <T <T 0.040 0.005 0.015 0.230 <T 0.002 0.009 00075203 0.07 0.220 <T 0.003 0.002 0.08 0.170 0.015 0.035 0.030 0.155 <T 00075225 <T 0.005 0.025 0.180 <T 0.004 0.002 0.270 <T 0.010 <W 00075240 0.11 0.530 0.030 0.065 0.065 0.315 0.024 0.003 00075262 0.25 0.006 0.005 0.20 0.210 <T 0.010 <T 0.010 0.095 0.150 <T 00075287 COPPER ACIDITY GRAN LEAD VANADIUM ALUMINUM SAMPLE NICKEL ZINC IRON NUMBER UG/L MG/L MG/L MG/L MG/L MG/L MG/L MG/L 0.0009 50.40 1DT 0.006 0.010 1DT 0.003 0.0008 0.014 00075075 0.0002 < 1DT 0.0006 105.00 0.014 0.022 1DT 0.004 0.0009 1DT 0.030 00075090 0.0002 UG 0.007 1DT 0.002 0.0004 1DT 0.015 0.0004 53.70 00075104 0.0002 1DT 0.003 UG 160.00 0.0004 1DT 0.009 UG 0.043 1DT 0.005 0.0011 1DT 0.045 1DT 0.0010 00075119 129.00 0.0004 0.048 UG 0.0095 00075133 0.0011 0.009 0.055 1DT 0.005 < 0.087 0.0011 29.80 0.012 0.054 1DT 0.002 0.0004 00075155 0.0005 0.023 1DT 0.002 0.0004 0.024 0.0017 24.60 1DT 0.001 00075173 0.0002 74.10 0.0002 0.002 0.014 1DT 0.002 0.0004 0.009 0.0008 00075188 < 0.019 0.0004 1DT 0.029 1DT 0.0005 57.10 0.005 0.008 < 00075203 0.0002 1DT < 51.10 0.007 0.010 0.0015 0.007 0.0005 00075225 0.0002 1DT 0.001 0.0007 78.50 00075240 0.0004 1DT 0.001 0.009 0.013 0.0004 1DT 0.015

0.004

0.006

0.0004

0.0005

0.007

1DT 0.014

1DT 0.0005

0.0005

76.70

100.00

0.009

1DT 0.008

0.001

0.002

^2

00075262

00075287

<

<

0.0002

T.D 195.54 Oo 0861 1990